



PRODUCT CATALOG 2024





INTEL X6425

CPU

Intel Atom X6425
16 GB DDR4

ETHERNET

2x 10/100/1000 /2500

CELLULAR

Dual SIM 5G/4G/3G,
External 5dBi antennas

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

One M.2 (E Key,2230 for Wifi Module),
802.11b/g/n/ac/ax ,
Dual band, 2.4GHz/5GHz WIFI 6e

POWER

9-30V DC Input

HARDWARE

CPU	2x 10/100
Flash	1x RS485 (2 wire)
RAM	4x DI/O, 1x 1wire
Ethernet Ports	Pinhole Reset Button
Cellular .	802.11 b/g/n with 20 MHz, 40 MHz
SIM	Sheet Metal housing with DIN rail mounting (O)
Wi-Fi	169 x 27 x 74mm (W x H x D)
SATA	-20 ~ 60°C
SD card	IP30
Audio	Analog MIC In and Headphone Out (3.5mm audio Jack)
RTC Battery Backup	3V, CR1220 (38mAh)
Input Power	9-30V DC
Button	Software Reset, Power ON/OFF
LEDs	Power, SATA, WiFi, Cellular Activity, Link and Activity for Ethernets
Antenna	Cellular: 4x SMA Connector (in case of 1x 5G Device) Or , 2 x SMA Connector Wi-Fi: 3x SMA connector for 5Ghz and 2 x SMA connector for 2.4 Ghz
USB	2 x USB3.0, 2 x USB2.0, 1 x USB2.0 OTG
HDMI	1
Enclosure	Aluminum Enclosure
Mounting	Desktop Mount
Design	Fan less
Dimensions	150mm X 210mm X 65mm (L X W X H)
Storage Temperature	-30 ~ 75°
Operating Temperature	-20 ~ 70°
Humidity	0 ~ 90% (non-condensing)
Ingress Protection Rating	IP30

SOFTWARE

Operating System	Operating System Ubuntu Linux/Windows
Development tools	Development tools Platform Software, drivers & API shall be provided by Invendis
Application Software	Application Software Application software is in Customer Scope

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HARDWARE

WAN	1 X 10/100/1000 WAN
LAN	5 x 10/100/1000 LAN
SFP	1 x 1G SFP Port
SIM	2x Nano SIM
Reset	Pinhole Reset Button
Wi-Fi	802.11b/g/n/ac/ax , Dual band, 2.4GHz/5GHz WIFI 6
Housing	Sheet Metal Enclosure with Aluminium Top cover
WatchDog Timer	External chip-based watchdog timer
Operating Temperature	-20 ~ 70°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	Two M.2(B Key, supports both types 3042 and 3052) with USB2.0 and USB3.0 Supporting both 4G and 5G Modems. Option for Quectel EM05-G (4G CAT4 Global Module), RM500U and RM500Q 5G Modules
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single Cellular Single SIM, Dual Cellular Each with Single SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static Routing, Dynamic Routing (BGP, OSPF)
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (Planned), TR069
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot, Hardware WDT
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control, Zone Forwarding & Masquerading
Failover	Configurable Failover option for Cellular WAN, Wired, and Wi-Fi WAN
VLAN	Port based VLAN, Tag based VLAN 802.1Q
Other	MAC binding, URL Filtering, Wi-Fi MAC address filtering
VPN	Open VPN, IPsec, GRE, L2TP, PPTP
NMS, TR-069	Remote monitoring of SILBO Networking products
NMS VPN	Remote access of SILBO and non-SILBO Networking Devices
Standard Packaging	Product, 4x Cellular Rubber Duck Antennas, 2x Wi-Fi Rubber Duck Antennas, 0.5-meter Power Cord, 01-meter Ethernet cable.

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RO56

PROCESSOR

MediaTek MT7981, 1GB/2GB DDR4 RAM, 32MB NOR Flash, 8GB EMMC, 128MB NAND Flash

ETHERNET

5 X 10/100/1000 LAN,
1 X 10/100/1000 WAN
1 x SFP Port

CELLULAR

5G/4G/3G/2G with Dual Module
Dual SIM, External 5DBi antenna

POWER

12V DC Input

OPERATING SYSTEM

Open-WRT 21/23

Wi-Fi 6

Dual band 2.4 Ghz & 5 Ghz Wi-Fi
AP/Station/Easymesh, External 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover


RV54-2

PROCESSOR

MediaTek MT7621 512MB
 DDR RAM, 32MB Flash

ETHERNET

5x WAN/LAN 10/100/1000M

CELLULAR

4G/3G/2G with Dual Module
 Dual SIM, External 5DBi antenna

POWER

12V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

Dual band 2.4 Ghz & 5 Ghz Wi-Fi
 AP/Station, External 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
 Supports Multiwan with Failover

HARDWARE

WAN/LAN	5x 10/100/1000M
SIM	2x Nano SIM
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n with 20 MHz, 40 MHz
Housing	Industrial Aluminium housing with DIN rail mounting (O)
Status	1x Power, 1x SYS, 5x Ethernet, 2x Mode, 2x Act, 2x Active SIM, 6x Signal strength, 2x PRG, 1x 2.4 GHz
Dimensions	110 x 60 x 95 mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G - up to 42 Mbps, 2G - up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single Cellular Single SIM, Dual Cellular Each with Single SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static Routing, Dynamic Routing (BGP, OSPF)
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (Planned), TR069
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot, Hardware WDT
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control, Zone Forwarding & Masquerading
Failover	Configurable Failover option for Cellular WAN, Wired, and Wi-Fi WAN
VLAN	Port based VLAN, Tag based VLAN 802.1Q
Other	MAC binding, URL Filtering, Wi-Fi MAC address filtering
VPN	Open VPN, IPsec, GRE, L2TP, PPTP
NMS, TR-069	Remote monitoring of SILBO Networking products
NMS VPN	Remote access of SILBO and non-SILBO Networking Devices
Standard Packaging	Product, 4x Cellular Rubber Duck Antennas, 2x Wi-Fi Rubber Duck Antennas, 0.5-meter Power Cord, 01-meter Ethernet cable.


IA44A

PROCESSOR

MediaTek MT7628 128MB
 DDR RAM, 32MB Flash

ETHERNET

1x LAN 10/100
 1x WAN 10/100

CELLULAR

Dual SIM 4G/3G/2G,
 External 5dBi antennas

POWER

9-30V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

2.4GHz, 300Mbps AP, Station,
 External 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
 Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
 of SILBO products & Built-in VPN allows
 remote access to non-SILBO products.

HARDWARE

WAN	1x 10/100
LAN	1x 10/100
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n with 20 MHz, 40 MHz
Housing	Industrial Aluminium housing with DIN rail mounting (O)
Dimensions	112 x 35 x 92mm (W x H x D)
Operating Temperature	-10 ~ 90°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G – up to 42 Mbps, 2G – up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired, and Wi-Fi WAN
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec
Gateway Protocols	Modbus TCP (P)
Data sender	HTTP (P), MQTT (P), Azure MQTT (P)
Standard Packaging	Product 2x Cellular Rubber Duck Antennas 2x Wi-Fi Rubber Duck Antennas 0.5-meter Power Cord 1-meter Ethernet cable.


IA44B

PROCESSOR

MediaTek MT7628 128MB
 DDR RAM, 32MB Flash
 + 4GB eMMC (O)

ETHERNET

1x LAN 10/100

CELLULAR

Dual SIM 4G/3G/2G,
 External 5dBi antennas

POWER

9-30V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

2.4GHz, 300Mbps AP, Station,
 External 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
 Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
 of SILBO products & Built-in VPN allows
 remote access to non-SILBO products.

HARDWARE

LAN	1x 10/100
Serial Interface	1x RS485
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n with 20 MHz, 40 MHz
Housing	Industrial Aluminium housing with DIN rail mounting (O)
Dimensions	112 x 35 x 92mm (W x H x D)
Operating Temperature	-20 ~ 65°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G – up to 42 Mbps, 2G – up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN and Wi-Fi WAN
VLAN	Tag-based VLAN 802.1ad
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec
Gateway Protocols	Modbus RTU, Modbus TCP
Data sender	HTTP, MQTT, Azure MQTT
Standard Packaging	Product 2x Cellular Rubber Duck Antennas 2x Wi-Fi Rubber Duck Antennas 1x RS485 TB 0.5-meter Power Cord 01-meter Ethernet cable.

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IA44C

PROCESSOR

MediaTek MT7628 128MB
DDR RAM, 32MB Flash

ETHERNET

1x LAN 10/100
1x WAN 10/100

CELLULAR

Dual SIM 4G/3G/2G,
External 5dBi antennas

POWER

9-30V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

2.4GHz, 300Mbps AP, Station,
External 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
of SILBO products & Built-in VPN allows
remote access to non-SILBO products.

HARDWARE

LAN	1x 10/100
WAN	1x 10/100
Serial Interface	1x RS485
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n with 20 MHz, 40 MHz
Housing	Industrial Aluminium housing with DIN rail mounting (O)
Dimensions	112 x 35 x 92mm (W x H x D)
Operating Temperature	-20 ~ 65°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G – up to 42 Mbps, 2G – up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired, and Wi-Fi WAN
VLAN	Port based VLAN, Tag based VLAN 802.1ad
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec
Gateway Protocols	Modbus RTU, Modbus TCP
Data sender	HTTP, MQTT, Azure MQTT
Standard Packaging	Product 2x Cellular Rubber Duck Antennas 2x Wi-Fi Rubber Duck Antennas 1xRS485 TB 0.5-meter Power Cord 01-meter Ethernet cable.

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IAB44-B

PROCESSOR

MediaTek MT7628 128MB
 DDR RAM, 32MB Flash
 + 4GB eMMC (O)

ETHERNET

1x LAN 10/100

CELLULAR

Dual SIM 4G/3G/2G,
 External 5dBi antennas

POWER

9-30V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

2.4GHz, 300Mbps AP, Station,
 External 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
 Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
 of SILBO products & Built-in VPN allows
 remote access to non-SILBO products.

HARDWARE

LAN	1x 10/100
Serial Interface	1x RS232, 1x RS485
GPIO	4x DI/O, 2x AI (1x Analog current, 1x Analog voltage), USB (H)
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n with 20 MHz, 40 MHz
Housing	Industrial Aluminium housing with DIN rail mounting (O)
Dimensions	112 x 35 x 92mm (W x H x D)
Operating Temperature	-20 ~ 65°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G – up to 42 Mbps, 2G – up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN and Wi-Fi WAN
VLAN	Tag based VLAN 802.1ad
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec
Gateway Protocols	Modbus RTU, Modbus TCP
Data sender	HTTP, MQTT, Azure MQTT
Standard Packaging	Product, 2x Cellular Rubber Duck Antennas, 2x Wi-Fi Rubber Duck Antennas, RS485 TB, DI/O TB, AI TB, 24Vdc Output TB, 0.5-meter Power Cord, 01-meter Ethernet cable.

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IAB44-C

PROCESSOR

MediaTek MT7628 128MB
DDR RAM, 32MB Flash

ETHERNET

1x LAN 10/100
1x WAN 10/100

CELLULAR

Dual SIM 4G/3G/2G,
External 5dBi antennas

POWER

9-30V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

2.4GHz, 300Mbps AP, Station,
External 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
of SILBO products & Built-in VPN allows
remote access to non-SILBO products.

HARDWARE

LAN	1x 10/100
WAN	1x 10/100
Serial Interface	1x RS232, 1x RS485
GPIO	4x DI/O, 2x AI (1x Analog current, 1x Analog voltage)
USB Interface	1x USB (H)
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n with 20 MHz, 40 MHz
Housing	Industrial Aluminium housing with DIN rail mounting (O)
Dimensions	112 x 35 x 92mm (W x H x D)
Operating Temperature	-20 ~ 65°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G – up to 42 Mbps, 2G – up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired, and Wi-Fi WAN
VLAN	Port based VLAN, Tag based VLAN 802.1ad
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec
Gateway Protocols	Modbus RTU, Modbus TCP
Data sender	HTTP, MQTT, Azure MQTT
Standard Packaging	Product, 2x Cellular Rubber Duck Antennas, 2x Wi-Fi Rubber Duck Antennas, RS485 TB, DI/O TB, AI TB, 24Vdc Output TB, 0.5-meter Power Cord, 0.1-meter Ethernet cable.

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IAC44-A

PROCESSOR

MediaTek MT7628 128MB
 DDR RAM, 32MB Flash

ETHERNET

4x LAN 10/100
 1x WAN 10/100

CELLULAR

Dual SIM 4G/3G/2G,
 External 5dBi antennas

POWER

9-30V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

2.4GHz, 300Mbps AP, Station,
 External 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
 Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
 of SILBO products & Built-in VPN allows
 remote access to non-SILBO products.

HARDWARE

LAN	4x 10/100
WAN	1x 10/100
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n with 20 MHz, 40 MHz
Housing	Industrial Aluminium housing with DIN rail mounting (O)
Dimensions	112 x 35 x 92mm (W x H x D)
Operating Temperature	-20 ~ 65°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G – up to 42 Mbps, 2G – up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired, and Wi-Fi WAN
VLAN	Port based VLAN, Tag based VLAN 802.1ad
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec
Gateway Protocols	Modbus TCP (P)
Data sender	HTTP (P), MQTT (P), Azure MQTT (P)
Standard Packaging	Product 2x Cellular Rubber Duck Antennas 2x Wi-Fi Rubber Duck Antennas 0.5-meter Power Cord 1-meter Ethernet cable.


IAC44-C

PROCESSOR

MediaTek MT7628 128MB
DDR RAM, 32MB Flash

ETHERNET

4x LAN 10/100
1x WAN 10/100

CELLULAR

Dual SIM 4G/3G/2G,
External 5dBi antennas

POWER

9-30V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

2.4GHz, 300Mbps AP, Station,
External 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
of SILBO products & Built-in VPN allows
remote access to non-SILBO products.

HARDWARE

LAN	4x 10/100
WAN	1x 10/100
Serial Interface	1x RS485
GPIO	2x DI/O
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n with 20 MHz, 40 MHz
Housing	Industrial Aluminium housing with DIN rail mounting (O)
Dimensions	112 x 35 x 92mm (W x H x D)
Operating Temperature	-20 ~ 65°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G – up to 42 Mbps, 2G – up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired, and Wi-Fi WAN
VLAN	Port based VLAN, Tag based VLAN 802.1ad
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec
Gateway Protocols	Modbus RTU, Modbus TCP
Data sender	HTTP, MQTT, Azure MQTT
Standard Packaging	Product 2x Cellular Rubber Duck Antennas 2x Wi-Fi Rubber Duck Antennas 0.5-meter Power Cord 1-meter Ethernet cable 1x RS485 TB & I/O TB.

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ID54 R

PROCESSOR

MediaTek MT7621 512MB
 DDR RAM, 32MB Flash

ETHERNET

3x LAN 10/100/1000
 1x WAN 10/100/1000

CELLULAR

Dual SIM 4G/3G/2G,
 External 5dBi antennas

POWER

9-30V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

Dual-Band Wi-Fi, AP/Station,
 Internal 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
 Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
 of SILBO products & Built-in VPN allows
 remote access to non-SILBO products.

HARDWARE

WAN	1x 10/100/1000
LAN	3x 10/100/1000
Serial Interface	1x RS485
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n/ac with 20 MHz, 40 MHz
Housing	Industrial Aluminium housing with DIN rail mounting (O)
Dimensions	112 x 35 x 92mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G – up to 42 Mbps, 2G – up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired, and Wi-Fi WAN
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad (P)
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec
Gateway Protocols	Modbus RTU, Modbus TCP
Data sender	HTTP, MQTT, Azure MQTT
Standard Packaging	Product 2x Cellular Rubber Duck Antennas 4x Wi-Fi Rubber Duck Antennas 0.5-meter Power Cord 01-meter Ethernet cable RS 485 TB

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ID54

PROCESSOR

MediaTek MT7621 512MB
 DDR RAM, 32MB Flash

ETHERNET

3x LAN 10/100/1000
 1x WAN 10/100/1000

CELLULAR

Dual SIM 4G/3G/2G,
 External 5dBi antennas

POWER

9-30V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

Dual-Band Wi-Fi, AP/Station,
 Internal 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
 Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
 of SILBO products & Built-in VPN allows
 remote access to non-SILBO products.

HARDWARE

WAN	1x 10/100/1000
LAN	3x 10/100/1000
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n/ac with 20 MHz, 40 MHz
Housing	Industrial Aluminium housing with DIN rail mounting (O)
Dimensions	112 x 35 x 92mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G – up to 42 Mbps, 2G – up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired, and Wi-Fi WAN
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad (P)
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec
Gateway Protocols	Modbus TCP (P)
Data sender	HTTP (P), MQTT (P), Azure MQTT (P)
Standard Packaging	Product 2x Cellular Rubber Duck Antennas 4x Wi-Fi Rubber Duck Antennas 0.5-meter Power Cord 01-meter Ethernet cable

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ID55

PROCESSOR

MediaTek MT7621 512MB
 DDR RAM, 32MB Flash

ETHERNET

3x LAN 10/100/1000
 1x WAN 10/100/1000

CELLULAR

Dual SIM 5G/4G/3G,
 External 5dBi antennas

POWER

9-30V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

Dual-Band Wi-Fi, AP/Station,
 Internal 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
 Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
 of SILBO products & Built-in VPN allows
 remote access to non-SILBO products.

HARDWARE

WAN	1x 10/100/1000
LAN	3x 10/100/1000
Serial Interface	1x RS485
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n/ac with 20 MHz, 40 MHz
Housing	Industrial Aluminium housing with DIN rail mounting (O)
Dimensions	112 x 35 x 92mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	5G SA Sub-6 up 2Gbps, NSA Sub-6 up to 2.2 Gbps, 4G (LTE) up to 600Mbps, 3G - up to 42 Mbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired, and Wi-Fi WAN
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad (P)
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec
Gateway Protocols	Modbus RTU, Modbus TCP
Data sender	HTTP, MQTT, Azure MQTT
Standard Packaging	Product 4x Cellular Rubber Duck Antennas 4x Wi-Fi Rubber Duck Antennas 0.5-meter Power Cord 01-meter Ethernet cable RS 485 TB

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IDB05

PROCESSOR

MediaTek MT7621 512MB
DDR RAM, 32MB Flash

ETHERNET

3x LAN 10/100/1000
1x WAN 10/100/1000

CELLULAR

Dual SIM 5G/4G/3G,
External 5dBi antennas

POWER

9-30V DC Input

OPERATING SYSTEM

OpenWRT Linux

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
of SILBO products & Built-in VPN allows
remote access to non-SILBO products.

HARDWARE

WAN	1x 10/100/1000
LAN	3x 10/100/1000
Serial Interface	1x RS232, 1x RS485
GPIO	4x DI/O, 2x AI (1x Analog current, 1x Analog voltage)
USB Interface	1x USB (H)
Reset	Pinhole Reset Button
Housing	Industrial Aluminium housing with DIN rail mounting (O)
Dimensions	112 x 35 x 92mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	5G SA Sub-6 up 2Gbps, NSA Sub-6 up to 2.2 Gbps, 4G (LTE) up to 600Mbps, 3G - up to 42 Mbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired WAN
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad (P)
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec
Gateway Protocols	Modbus RTU, Modbus TCP
Data sender	HTTP, MQTT, Azure MQTT
Standard Packaging	Product 4x Cellular Rubber Duck Antennas 0.5-meter Power Cord 1-meter Ethernet cable RS485 TB, DI/O TB, AI TB, 24Vdc Output TB.



IDB55

PROCESSOR

MediaTek MT7621 512MB
DDR RAM, 32MB Flash

ETHERNET

3x LAN 10/100/1000
1x WAN 10/100/1000

CELLULAR

Dual SIM 5G/4G/3G,
External 5dBi antennas

POWER

9-30V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

Dual Band Wi-Fi AP/Station,
External 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
of SILBO products & Built-in VPN allows
remote access to non-SILBO products.

HARDWARE

WAN	1x 10/100/1000
LAN	3x 10/100/1000
Serial Interface	1x RS232, 1x RS485
GPIO	4x DI/O, 2x AI (1x Analog current, 1x Analog voltage)
USB Interface	1x USB (H)
Wi-Fi	802.11 b/g/n/ac with 20 MHz, 40 MHz
Reset	Pinhole Reset Button
Housing	Industrial Aluminium housing with DIN rail mounting (O)
Dimensions	112 x 35 x 92mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	5G SA Sub-6 up 2Gbps, NSA Sub-6 up to 2.2 Gbps, 4G (LTE) up to 600Mbps, 3G - up to 42 Mbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired and Wi-Fi WAN
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad (P)
Other	MAC binding, black/whitelisting (P)
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec
Gateway Protocols	Modbus RTU, Modbus TCP
Data sender	HTTP, MQTT, Azure MQTT
Standard Packaging	Product 4x Cellular Rubber Duck Antennas 4x Wi-Fi Rubber Duck Antennas 0.5-meter Power Cord 1-meter Ethernet cable RS485 TB, DI/O TB, AI TB, 24Vdc Output TB.

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RB44

PROCESSOR

MT7628, 128MB DDR,
32MB Flash

ETHERNET

4x LAN 10/100
1x WAN 10/100

CELLULAR

Dual SIM, 4G/3G/2G,
External 5dBi antenna

POWER

10-30V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

2.4GHz, 300Mbps AP/Station,
External 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
of SILBO products & Built-in VPN allows
remote access to non-SILBO products.

HARDWARE

WAN	1x 10/100
LAN	4x 10/100
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n with 20 MHz, 40 MHz
Housing	Sheet Metal housing with DIN rail mounting (O)
Dimensions	160 x 28 x 120mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G – up to 42 Mbps, 2G – up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired, and Wi-Fi WAN
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad (P)
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec
Standard Packaging	Product, 2 x Cellular Rubber Duck Antennas 2 x Wi-Fi Rubber Duck Antennas 0.5-meter Ethernet cable, Power connector TB.



RC44-M

PROCESSOR

MT7628, 128MB DDR,
32MB Flash

ETHERNET

2x LAN 10/100
1x WAN 10/100

CELLULAR

Dual SIM, 4G/3G/2G,
External 5dBi antenna

POWER

12V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

2.4GHz, 300Mbps AP/Station,
External 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
of SILBO products & Built-in VPN allows
remote access to non-SILBO products.

HARDWARE

WAN	1x 10/100
LAN	2x 10/100
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n with 20 MHz, 40 MHz
Housing	Sheet metal housing with DIN rail mounting (O)
Dimensions	145 x 28 x 120mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G – up to 42 Mbps, 2G – up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired, and Wi-Fi WAN
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad (P)
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP
Standard Packaging	Product, 2 x Cellular Rubber Duck Antennas 2 x Wi-Fi Rubber Duck Antennas Power cable 0.5-meter Ethernet cable.



RC44-P

PROCESSOR

MT7628, 128MB DDR,
32MB Flash

ETHERNET

2x LAN 10/100
1x WAN 10/100

CELLULAR

Dual SIM, 4G/3G/2G,
Intregeted 5dBi antenna

POWER

12V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

2.4GHz, 300Mbps AP/Station,
Intregeted 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
of SILBO products & Buit-in VPN allows
remote access to non-SILBOproducts.

HARDWARE

WAN	1x 10/100
LAN	2x 10/100
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n with 20 MHz, 40 MHz
Housing	Plastic housing with Wall mounting
Dimensions	210 x 35 x 140mm (W x H x D)
Operating Temperature	-10 ~ 50°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G – up to 42 Mbps, 2G – up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired, and Wi-Fi WAN
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad (P)
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP
Standard Packaging	Product, Power Adaptor 0.5-meter Ethernet cable.

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RF44-M

PROCESSOR

MediaTek MT7628 64MB
DDR RAM, 32MB Flash

ETHERNET

1x LAN 10/100

CELLULAR

4G/3G/2G with Single
SIM, External 5dBi antenna

POWER

5V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

2.4GHz, 300Mbps AP.
External 5dBi antenna

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
of SILBO products & Built-in VPN allows
remote access to non-SILBO products.

HARDWARE

LAN	1x 10/100
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n with 20 MHz, 40 MHz
Housing	Sheet Metal housing with DIN rail mounting (O)
Dimensions	90 x 27 x 80mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G - up to 42 Mbps, 2G - up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN and Wi-Fi WAN
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP
Standard Packaging	Product, 2x Cellular Rubber Duck Antennas, 2x Wi-Fi Rubber Duck Antennas, 0.5 meter Ethernet cable, 0.5 meter Power cable.



RF44-P

PROCESSOR

MediaTek MT7628 64MB
DDR RAM, 32MB Flash

ETHERNET

1x LAN 10/100

CELLULAR

4G/3G/2G with Single
SIM, Internal antenna

POWER

5V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

2.4GHz, 300Mbps AP.
Internal antenna

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
of SILBO products & Built-in VPN allows
remote access to non-SILBO products.

HARDWARE

LAN	1x 10/100
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n with 20 MHz, 40 MHz
Housing	Plastic housing
Dimensions	90 x 27 x 80mm (W x H x D)
Operating Temperature	-10 ~ 50°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G - up to 42 Mbps, 2G - up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, PPP, SSH, DHCP
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN and Wi-Fi WAN
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP
Standard Packaging	Product 0.5-meter Ethernet cable Power cable Carry Pouch.



RF44-R

PROCESSOR

MediaTek MT7628 64MB
 DDR RAM, 32MB Flash

ETHERNET

1x LAN 10/100

CELLULAR

4G/3G/2G with Single
 SIM, External 5dbi antenna

POWER

9-30 V DC Input

OPERATING SYSTEM

OpenWRT Linux

SERIAL PORT

1x RS485

ROUTER FEATURES

WebUI for easy configuration,
 Supports Multiwan with Failover

HARDWARE

LAN	1x 10/100
Serial Interface	1x RS485 (2 wire)
Reset	Pinhole Reset Button
Housing	Industrial Aluminium housing with DINrailmounting(O)
Dimensions	112 x 35 x 92 mm (W x H x D)
Operating Temperature	0 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G - up to 42 Mbps, 2G - up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, PPP, SSH, DHCP
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN and Wi-Fi WAN
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP
Gateway Protocols	Transparent Serial to Remote TCP Client Transparent Serial to Remote TCP Server Modbus TCP Master to Modbus RTU Slave Modbus RTU Master to Modbus TCP Slave Modbus RTU Master to Modbus MQTT/HTTP Gateway
Data sender	HTTP, MQTT, Azure MQTT
Standard Packaging	Product 1x Cellular Rubber Duck Antennas 0.5 Meter Power cable 0.5-meter Ethernet cable.



RG04

PROCESSOR

MediaTek MT7621 512MB
DDR RAM, 32MB Flash

ETHERNET

4x LAN 10/100/1000
1x WAN 10/100/1000

CELLULAR

4G/3G/2G with Dual SIM,
External 5dBi antennas

POWER

12V DC Input

OPERATING SYSTEM

OpenWRT Linux

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
of SILBO products & Built-in VPN allows
remote access to non-SILBO products.

HARDWARE

LAN	4x 10/100/1000
WAN	1x 10/100/1000
Reset	Pinhole Reset Button
Housing	Sheet Metal housing with DIN rail mounting (O)
Dimensions	165 x 30 x 110mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G - up to 42 Mbps, 2G - up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single Cellular Single SIM, Dual Cellular Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired WAN
VLAN	Port-based VLAN
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec
Standard Packaging	Product 2x Cellular Rubber Duck Antennas Power Cable 0.5 mts Ethernet cable.



**RK04
DUAL**

PROCESSOR

MediaTek MT7621 256MB
DDR RAM, 32MB Flash

ETHERNET

4x LAN 10/100/1000
1x WAN 10/100/1000

CELLULAR

DUAL Module
DUALSIM 4G/3G/2G,
External 5dBi antennas

POWER

12V DC Input

OPERATING SYSTEM

OpenWRT Linux

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
of SILBO products & Built-in VPN allows
remote access to non-SILBO products.

HARDWARE

LAN	4x 10/100/1000
WAN	1x 10/100/1000
Reset	Pinhole Reset Button
Housing	Sheet Metal housing with DIN rail mounting (O)
Dimensions	209 x 30 x 154 mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G - up to 42 Mbps, 2G - up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single Cellular Single SIM, Dual Cellular Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired WAN, Load Balancing (P)
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec
Standard Packaging	Product 4x Cellular Rubber Duck Antennas Power cable 0.5-meter Ethernet cable.


**RK05
DUAL**

PROCESSOR

MediaTek MT7621 256MB
DDR RAM, 32MB Flash

ETHERNET

4x LAN 10/100/1000
1x WAN 10/100/1000

CELLULAR

Dual Module Dual SIM
M1 - 5G/4G/3G, M2 - 4G/3G/2G
External 5dBi antennas

POWER

12V DC Input

OPERATING SYSTEM

OpenWRT Linux

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
of SILBO products & Built-in VPN allows
remote access to non-SILBO products.

HARDWARE

LAN	4x 10/100/1000
WAN	1x 10/100/1000
Reset	Pinhole Reset Button
Housing	Sheet Metal housing with DIN rail mounting (O)
Dimensions	209 x 30 x 154 mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module (5G)	5G SA Sub-6 up 2Gbps, NSA Sub-6 up to 2.2 Gbps, 4G (LTE) up to 600Mbps, 3G - up to 42 Mbps
Cellular Module (4G)	Cat 4 up to 150 Mbps, 3G - up to 42 Mbps, 2G - up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single Cellular Single SIM, Dual Cellular Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired WAN, Load Balancing (P)
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec (P)
Standard Packaging	Product 4x 5G Rubber Duck Antennas 2x 4G Rubber Duck Antennas Power cable 0.5-meter Ethernet cable

HARDWARE

LAN	4x 10/100/1000
WAN	1x 10/100/1000
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n/ac with 20 MHz, 40 MHz
Housing	Sheet Metal housing with DIN rail mounting (O)
Dimensions	209 x 30 x 154 mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G - up to 42 Mbps, 2G - up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single Cellular Single SIM, Dual Cellular Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired WAN, Load balancing (P)
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec
Standard Packaging	Product 4x Cellular Rubber Duck Antennas 4x Wi-Fi Rubber Duck Antennas Power cable 0.5-meter Ethernet cable


RK54 DUAL

PROCESSOR

MediaTek MT7621 512MB
DDR RAM, 32MB Flash

ETHERNET

4x LAN 10/100/1000
1x WAN 10/100/1000

CELLULAR

DUAL Module
DUAL SIM 4G/3G/2G,
External 5dBi antennas

POWER

12V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

Dual-band Wi-Fi AP/Station,
Internal 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring of SILBO products & Built-in VPN allows remote access to non-SILBO products.



**RK55
DUAL**

PROCESSOR

MediaTek MT7628 512MB
DDR RAM, 32MB Flash

ETHERNET

4x LAN 10/100/1000
1x WAN 10/100/1000

CELLULAR

Dual Module Dual SIM
M1 - 5G/4G/3G, M2 - 4G/3G/2G
External 5dBi antennas

POWER

12V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

Dual-band Wi-Fi AP/Station,
Internal 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
of SILBO products & Built-in VPN allows
remote access to non-SILBO products.

HARDWARE

WAN	1x 10/100/1000
LAN	4x 10/100/1000
Wi-Fi	802.11b/g/n/ac with 20 MHz, 20/40 MHz, 40MHz
Reset	Pinhole Reset Button
Housing	Metal housing with DIN rail mounting (O)
Dimensions	209 x 30 x 154 mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module (5G)	5G SA Sub-6 up 2Gbps, NSA Sub-6 up to 2.2 Gbps, 4G (LTE) up to 600Mbps, 3G - up to 42 Mbps
Cellular Module (4G)	Cat 4 up to 150 Mbps, 3G - up to 42 Mbps, 2G - up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single Cellular Single SIM, Dual Cellular Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired and Wi-Fi WAN, Load balancing (P)
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec (P)
Standard Packaging	Product 4x 5G Rubber Duck Antennas 2x 4G Rubber Duck Antennas 4x Wi-Fi Rubber Duck Antennas 0.5-meter Power Cord 0.5-meter Ethernet cable.

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RK55

PROCESSOR

MediaTek MT7621 512MB
DDR RAM, 32MB Flash

ETHERNET

4x LAN 10/100/1000
1x WAN 10/100/1000

CELLULAR

Dual SIM 5G/4G/3G,
External 5dBi antennas

POWER

12V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

Dual Band, 300Mbps AP/Station,
Internal 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
of SILBO products & Built-in VPN allows
remote access to non-SILBO products.

HARDWARE

LAN	4x 10/100/1000
WAN	1x 10/100/1000
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n/ac with 20 MHz, 40 MHz
Housing	Sheet Metal housing with DIN rail mounting (O)
Dimensions	209 x 30 x 154 mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	5G SA Sub-6 up 2Gbps, NSA Sub-6 up to 2.2 Gbps, 4G (LTE) up to 600Mbps, 3G - up to 42 Mbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired, and Wi-Fi WAN
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec
Standard Packaging	Product 4x Cellular Rubber Duck Antennas 4x Wi-Fi Rubber Duck Antennas Power cable 0.5-meter Ethernet cable



RM60 M

PROCESSOR

MediaTek MT7621 128MB
DDR RAM, 32MB Flash

ETHERNET

3x LAN 10/100/1000
1x WAN 10/100/1000

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

Wi-Fi 6 (b/g/n/ac/ax) AP/Station,
External 5dBi antennas

POWER

12V DC Input

HARDWARE

LAN	3x 10/100/1000
WAN	1x 10/100/1000
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n/ac/ax with 20 MHz, 40 MHz
Housing	Sheet Metal housing with DIN rail mounting (O)
Dimensions	100 x 38 X 110 mm (W x H x D)
Operating Temperature	-20 ~ 50°C
Ingress Protection Rating	IP30

SOFTWARE

Wi-Fi Mode	Access Point, Station, Guest Wi-Fi, Repeater, Wi-Fi Mesh
Encryption	TKIP, AES
Authentication	WPA (PSK), WPA2 (PSK)
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, ICMP, NTP, HTTP, HTTPS, PPP, DHCP
Firewall features	Port forward, traffic rules, SNAT
Failover	Configurable Failover option for Wired, and Wi-Fi WAN
VPN	L2TP, PPTP
Standard Packaging	Product 4x Rubber Duck Wi-Fi Antennas Power cable 0.5-meter Ethernet cable



RQ55I

PROCESSOR

MediaTek MT7621 512MB
DDR RAM, 32MB Flash

ETHERNET

1x LAN 10/100/1000
1x WAN 10/100/1000

CELLULAR

Dual SIM 5G/4G/3G,
External 5dBi antennas

POWER

12V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

Dual-band Wi-Fi AP/Station,
Internal 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
of SILBO products & Built-in VPN allows
remote access to non-SILBO products.

HARDWARE

LAN	1x 10/100/1000 (802.3af PoE Out)
WAN	1x 10/100/1000 (Optional 802.3af PoE Out)
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n/ac with 20 MHz, 40 MHz
Housing	Sheet Metal housing with DIN rail mounting (O)
Dimensions	226 x 29 x 104 mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	5G SA Sub-6 up 2Gbps, NSA Sub-6 up to 2.2 Gbps, 4G (LTE) up to 600Mbps, 3G - up to 42 Mbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired, and Wi-Fi WAN (P)
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad (P)
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec (P)
Standard Packaging	Product 4x Cellular Rubber Duck Antennas 4x Wi-Fi Rubber Duck Antennas Power cable 0.5 mts Ethernet cable



RS05

PROCESSOR

MediaTek MT7621 512MB
DDR RAM, 32MB Flash

ETHERNET

2x LAN 10/100/1000
1x WAN 10/100/1000

CELLULAR

Dual SIM 5G/4G/3G,
External 5dBi antennas

POWER

12V DC Input

OPERATING SYSTEM

OpenWRT Linux

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
of SILBO products & Built-in VPN allows
remote access to non-SILBO products.

HARDWARE

LAN	2x 10/100/1000
WAN	1x 10/100/1000
Reset	Pinhole Reset Button
Housing	Sheet Metal housing with DIN rail mounting (O)
Dimensions	115 x 31 x 119 mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	5G SA Sub-6 up 2Gbps, NSA Sub-6 up to 2.2 Gbps, 4G (LTE) up to 600Mbps, 3G - up to 42 Mbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired WAN
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad (P)
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec (P)
Standard Packaging	Product 4x 5G Rubber Duck Antennas Power cable 0.5-meter Ethernet cable



RS54

PROCESSOR

MediaTek MT7621 512MB
DDR RAM, 32MB Flash

ETHERNET

2x LAN 10/100/1000
1x WAN 10/100/1000

CELLULAR

Dual SIM 4G/3G/2G,
External 5dBi antennas

POWER

12V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

Dual-band Wi-Fi AP/Station,
Internal 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
of SILBO products & Built-in VPN allows
remote access to non-SILBO products.

HARDWARE

LAN	2x 10/100/1000
WAN	1x 10/100/1000
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n/ac with 20 MHz, 40 MHz
Housing	Sheet Metal housing with DIN rail mounting (O)
Dimensions	115 x 31 x 119 mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	4G (LTE) - Cat 4 up to 150 Mbps, 3G - up to 42 Mbps, 2G - up to 236.8 Kbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired, and Wi-Fi WAN
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad (P)
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec (P)
Standard Packaging	Product 2x Cellular Rubber Duck Antennas 4x Wi-Fi Rubber Duck Antennas Power cable 0.5-meter Ethernet cable


RS55

PROCESSOR

MediaTek MT7621 512MB
 DDR RAM, 32MB Flash

ETHERNET

2x LAN 10/100/1000
 1x WAN 10/100/1000

CELLULAR

Dual SIM 5G/4G/3G,
 External 5dBi antennas

POWER

12V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

Dual-band Wi-Fi AP/Station,
 Internal 5dBi antennas

ROUTER FEATURES

WebUI for easy configuration,
 Supports Multiwan with Failover

NMS

IoT platform facilitates remote monitoring
 of SILBO products & Built-in VPN allows
 remote access to non-SILBO products.

HARDWARE

LAN	2x 10/100/1000
WAN	1x 10/100/1000
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n/ac with 20 MHz, 40 MHz
Housing	Sheet Metal housing with DIN rail mounting (O)
Dimensions	115 x 31 x 119 mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Cellular Module	5G SA Sub-6 up 2Gbps, NSA Sub-6 up to 2.2 Gbps, 4G (LTE) up to 600Mbps, 3G - up to 42 Mbps
Band Management	Auto/User configurable & Operator Lock
Modem configuration mode	Single SIM, Dual SIM
PDP Type	IPv4, IPv6, Dual stack
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Cellular WAN, Wired, and Wi-Fi WAN
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad (P)
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec (P)
Standard Packaging	Product 4x Wi-Fi Rubber Duck Antennas 4x 5G Rubber Duck Antennas Power cable 0.5-meter Ethernet cable



RU60

PROCESSOR

MediaTek MT7621 256MB
DDR RAM, 32MB Flash

ETHERNET

4x LAN 10/100/1000
1x WAN 10/100/1000

ROUTER FEATURES

WebUI for easy configuration,
Supports Multiwan with Failover

POWER

12V DC Input

OPERATING SYSTEM

OpenWRT Linux

Wi-Fi

Wi-Fi 6 (b/g/n/ac/ax) AP/Station,
Internal 5dBi antennas

NMS

IoT platform facilitates remote monitoring
of SILBO products & Built-in VPN allows
remote access to non-SILBO products.

HARDWARE

LAN	4x 10/100/1000
WAN	1x 10/100/1000
Reset	Pinhole Reset Button
Wi-Fi	802.11 b/g/n/ac/ax with 20 MHz, 40 MHz
Housing	Sheet Metal housing with DIN rail mounting (O)
Dimensions	209 x 30 x 154 mm (W x H x D)
Operating Temperature	-20 ~ 60°C
Ingress Protection Rating	IP30

SOFTWARE

Wi-Fi Mode	Access Point, Station, Guest Wi-Fi, Repeater
Encryption	TKIP, AES
Authentication	WPA (PSK), WPA2 (PSK), Mixed Mode
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, PPP, SSH, DHCP, SNMP (P), TR069 (P)
Connecting Monitoring	Ping Reboot, Scheduled Periodic Reboot
Firewall features	Port forward, traffic rules, SNAT, Zone- Zone traffic control
Failover	Configurable Failover option for Wired, and Wi-Fi WAN
VLAN	Port-based VLAN, Tag-based VLAN 802.1ad (P)
Other	MAC binding, black/whitelisting
VPN	Open VPN, IPsec, GRE, L2TP, PPTP, GRE over IPsec (P)
Standard Packaging	Product 4x Wi-Fi Rubber Duck Antennas Power cable 0.5-meter Ethernet cable



XA-82-2

ETHERNET

8x 10/100/1000

POWER

9-43 VDC: No PoE Out
 44-57 VDC: PoE Out

PoE BUDGET

240 W
 30 W Max per Eth. Port

FIBER

2x SFP Port

XA-82-2 UNMANAGED PoE SWITCH

LAN	8 x 10/100/1000 Mbps (MDI/MDIX)
SFP	2 x SFP
PoE	LAN Port 1 – 8 (PoE Out)
PoE Standard	802.3at & 802.3af
PoE Budget (Per Port)	30 W (Max)
Total PoE Budget	240 W(Max)
MAC Address table entries	2000 Address
Jumbo Frame	9216 Bytes
Buffer size	128 KB
Socket type	2 Pin TB
Input Voltage	9-57 Vdc (PoE out will work from 44-57Vdc Input)
Power Consumption	5.5 W (Non PoE) / 245.5 W (With PoE)
Operating Temperature	-30 ~ 65°C
Ingress Protection Rating	IP30
Housing	Industrial Aluminium
Dimension	58x112x114mm (HHxWWxDD)
Standard Packaging	Product



XB-82-2

ETHERNET

8x 10/100/1000

POWER

9-57 VDC

FIBER

2x SFP Port

XB-82-2 UNMANAGED SWITCH

LAN	8 x 10/100/1000 Mbps (MDI/MDIX)
SFP	2 x SFP
MAC Address table entries	2000
Jumbo Frame	9216 bytes
Buffer size	128 KB
Socket type	2 Pin TB
Input Voltage	9-57 Vdc
Power Consumption	5.5 W
Operating Temperature	-30 ~ 65°C
Ingress Protection Rating	IP30
Housing	Industrial Aluminium
Dimension	58x112x114mm (HHxWWxDD)
Standard Packaging	Product

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XC-80-1

ETHERNET
8x 10/100

POWER
9-30 VDC

XC-80-1 UNMANAGED SWITCH

LAN	8x 10/100 Mbps (MDI/MDIX)
MAC Address table entries	2000 Address
Jumbo Frame	2048 Bytes
Socket type	4 Pin Industrial Jack
Input Voltage	9-30 Vdc
Power Consumption	<5 W
Operating Temperature	-10 ~ 60°C
Ingress Protection Rating	IP30
Housing	Sheet Metal
Dimension	45 x 112 x 114 mm (HHxWWxDD)
Standard Packaging	Product Power cable



XD-50-1

ETHERNET
5x 10/100

POWER
9-30 VDC

XD-50-1 UNMANAGED SWITCH

LAN	5x 10/100 Mbps (MDI/MDIX)
MAC Address table entries	2000 Address
Jumbo Frame	2048 Bytes
Socket type	4 Pin Industrial Jack
Input Voltage	9-30 Vdc
Power Consumption	<5 W
Operating Temperature	-10 ~ 60°C
Ingress Protection Rating	IP30
Housing	Sheet Metal
Dimension	30 x 112 x 100 mm (HHxWWxDD)
Standard Packaging	Product Power cable



PC310
Protocol
Converter

PROCESSOR

MT7628, 128MB DDR RAM, 32MB Flash

OPERATING SYSTEM

OpenWRT Linux

ETHERNET

1x LAN 10/100

Serial Port

1x RS485

POWER

9-28V DC Input

HARDWARE

CPU	MediaTek MT7628
FLASH	32MB
RAM	128MB
LAN	1 x 10/100
Serial Interface	1 x RS485 (2 Wire)
Reset	Pinhole Reset Button
Wi-Fi	802.11b/g/n
Enclosure	Sheet Metal
Mounting	Din-rail mount
Dimensions	80 x 78 x 26mm (W x H x D) *
Weight	200 gms*
Input Power	9-28 Vdc
Status LED	1 x RS485, 1 x Ethernet, 1 x Power, 1 x Wi-Fi
Working Temperature	-10 ~ 60° C
Humidity	10 ~ 90% (non-condensing)
Ingress Protection Rating	IP30

SOFTWARE

Wi-Fi Mode	Access Point to access the Device GUI for configuration
Encryption	TKIP, AES
Authentication	WPA (PSK), WPA2 (PSK)
Gateway Protocols	Transparent Serial to Remote TCP Client Transparent Serial to Remote TCP Server Modbus TCP Master to Modbus RTU Slave Modbus RTU Master to Modbus TCP Slave Modbus RTU to Modbus MQTT Gateway
Standard Packaging	Product, Power TB, RS485 TB.

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PC311
Protocol
Converter

PROCESSOR

MT7628, 128MB DDR RAM, 32MB Flash

OPERATING SYSTEM

OpenWRT Linux

ETHERNET

1x LAN 10/100

Serial Port

2x RS485

POWER

9-28V DC Input

HARDWARE

CPU	MediaTek MT7628
FLASH	32MB
RAM	128MB
LAN	1 x 10/100
Serial Interface	2 x RS485 (2 Wire)
Reset	Pinhole Reset Button
Wi-Fi	802.11b/g/n
Enclosure	Sheet Metal
Mounting	Din-rail mount
Dimensions	145 x 78 x 26mm (W x H x D) *
Weight	200 gms*
Input Power	9-28 Vdc
Status LED	1 x RS485, 1 x Ethernet, 1 x Power, 1 x Wi-Fi
Working Temperature	-10 ~ 60° C
Humidity	10 ~ 90% (non-condensing)
Ingress Protection Rating	IP30

SOFTWARE

Wi-Fi Mode	Access Point to access the Device GUI for configuration
Encryption	TKIP, AES
Authentication	WPA (PSK), WPA2 (PSK)
Gateway Protocols	Transparent Serial to Remote TCP Client Transparent Serial to Remote TCP Server Modbus TCP Master to Modbus RTU Slave Modbus RTU Master to Modbus TCP Slave Modbus RTU to Modbus MQTT Gateway
Standard Packaging	Product, Power TB, RS485 TB.



PC312
Protocol
Converter

PROCESSOR

MT7628, 64MB DDR RAM, 32MB Flash

OPERATING SYSTEM

OpenWRT Linux

ETHERNET

1x LAN 10/100

Wi-Fi

2.4GHz AP with Integrated antenna

Serial Port

1x RS485

POWER

9-28V DC Input

HARDWARE

CPU	MediaTek MT7628
FLASH	32MB
RAM	64MB
LAN	1 x 10/100
Serial Interface	1 x RS485 (2 Wire)
Reset	Pinhole Reset Button
Wi-Fi	802.11b/g/n
Enclosure	PVC Housing / Sheet Metal
Mounting	Din-rail mount
Dimensions	75 x 80 x 40mm (W x H x D) *
Weight	200 gms*
Input Power	9-28 Vdc
Status LED	1 x RS485, 1 x Ethernet, 1 x Power, 1 x Wi-Fi
Working Temperature	-10 ~ 60° C
Humidity	10 ~ 90% (non-condensing)
Ingress Protection Rating	IP30

SOFTWARE

Wi-Fi Mode	Access Point to access the Device GUI for configuration
Encryption	TKIP, AES
Authentication	WPA (PSK), WPA2 (PSK)
Gateway Protocols	Transparent Serial to Remote TCP Client Transparent Serial to Remote TCP Server Modbus TCP Master to Modbus RTU Slave Modbus RTU Master to Modbus TCP Slave Modbus RTU to Modbus MQTT Gateway
Standard Packaging	Product, Power TB, RS485 TB, Inbuilt Wi-Fi Antenna.

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ACCESSORIES



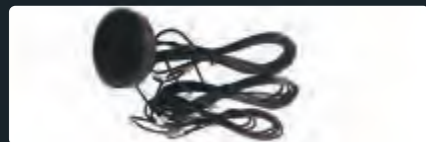
4G LTE Rubber Duck Antenna
Frequency 700~950, 1700~2300 Mhz
Gain 5dBi

5G Rubber Duck Antenna
Frequency 700~950, 1700~2700, 3300~7100 Mhz
Gain 5dBi



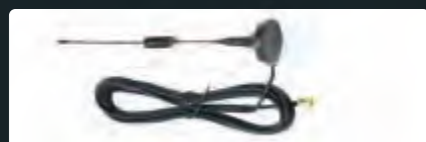
5 Ghz Wi-Fi Rubber Duck Antenna
Frequency 5150~5900 Mhz
Gain 5dBi

2.4 Ghz Wi-Fi Rubber Duck Antenna
Frequency 2400~2485 Mhz
Gain 5dBi



Outdoor Combo Antenna (3 meter cabel)
4G LTE, GPS, Wi-Fi (2.4 Ghz)
Gain 4dBi

Magenetic Mount 4G Antena (3 meter cabel)
Frequency 700~950, 1700~2300 Mhz
Gain 5dBi



Magenetic Mount Wi-Fi Antena (3 meter cabel)
Frequency 2400~2485 Mhz
Gain 5dBi

Metal Din-Rail Mounting
Small



Metal Din-Rail Mounting
Medium

ACCESSORIES



Metal Din-Rail Mounting
Large

Power Adaptor
Input - 100~270 VAC (0.8 A) 50~60 Hz
Output - 12 VDC (2 A)



Ethernet Cable
1 Meter
CAT 5 E

Power Cable
0.5 Meter
4 Pin Micro Fit Connector~Screw Terminal



ACRONYMS

(P)	Planned
(O)	Optional
Eth.	Ethernet
TB	Terminal Block
Mts	Meters
mm	Milimeter
W x H x D	Width x Height x Depth

COMPARISON TABLE

4G Routers

Product Name	RB04	RB44	RC44-M	RC44-P	RF-44-P	RF-44M	RG04	RG44
Housing	Metal	Metal	Metal	Plastic	Plastic	Metal	Metal	Metal
WAN	1x 10/100	1x 10/100	1x 10/100	1x 10/100	1x 10/100	1x 10/100	1x Gbe	1x Gbe
LAN	4x 10/100	4x 10/100	2x 10/100	2x 10/100	1x 10/100	1x 10/100	4x Gbe	4x Gbe
USB-Host							Yes	Yes
USB3+Host					5V	5V		
Input Voltage	9-30V	9-30V	12V	12V			12V	12V
Industrial DC Conn.							Yes	Yes
PoE (Active) - Optional								
PD (30W)								
PoE (Active) - Optional								
PSE (15W)								
CPU	MT7628	MT7628	MT7628	MT7628	MT7628	MT7628	MT7621	MT7621
Flash	32MB	32MB	32MB	32MB	32MB	32MB	32MB	32MB
RAM	128MB	128MB	128MB	128MB	64MB	64MB	512MB	512MB
Operating Temperature	-20 to 60° C	-20 to 60° C	-20 to 60° C	0-60° C	0-60° C	0-60° C	-20 to 60° C	-20 to 60° C
eMMC (O)								
RTC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wi-Fi-4		Yes	Yes	Yes	Yes	Yes		
Wi-Fi-5 (Dual Band)								
Cellular Modem 1	CAT-4	CAT-4	CAT-4	CAT-4	CAT-4	CAT-4	2xCAT-4	2xCAT-4
SIM Slot	2	2	2	2	1	1	2	2
External Wi-Fi ANT				Integrated	Internal			
External Cellular ANT	2	2	2	2	2	2	2	2

COMPARISON TABLE

4G Routers

Product Name	RK54 Dual	RK54	RK04 Dual	RQ-54l	RS-54	RS-04	RI44
Housing	Metal	Metal	Metal	Metal	Metal	Metal	Metal
WAN	1 X Gbe	1 X Gbe	1 X Gbe	1 X Gbe	1 X Gbe	1 X Gbe	1 x10/100
LAN	4 X Gbe	4 X Gbe	4 X Gbe	1 X Gbe	2 X Gbe	2 X Gbe	4 x10/100
USB-Host				1 X USB-H			
USB3+Host				12V	12V	12V	-48
Input Voltage	12V	12V	12V	12V	12V	12V	Yes
Industrial DC Conn.	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PoE (Active) - Optional				44-57 V			
PD (30W)				(36-57V) ^{\$}			
PoE (Active) - Optional							
PSE (15W)							
CPU	MT7621	MT7621	MT7621	MT7621	MT7621	MT7621	QCA9531
Flash	32MB	32MB	32MB	32MB	32MB	32MB	32MB
RAM	512MB	512MB	512MB	512MB	512MB	512MB	128MB
Operating Temperature	-20 to 60° C	-20 to 60° C	-20 to 60° C	-20 to 60° C	-20 to 60° C	-20 to 60° C	-30 to 75° C
eMMC (O)				Yes	Yes	Yes	Yes
RTC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wi-Fi-4							Yes
Wi-Fi-5 (Dual Band)	Yes	Yes	Yes	Yes	Yes	Yes	
Cellular Modem 1	2x M.2-CAT-4	M.2-CAT-4	2x M.2-CAT-4	M.2-CAT-4	M.2-CAT-4	M.2-CAT-4	CAT4
SIM Slot	2	2	2	2	2	2	2
External Wi-Fi ANT	4	4	4	4	4	4	2
External Cellular ANT	4	2	2	2	2	2	2

COMPARISON TABLE

5G Routers

Product Name	RK55	RK55 Dual	RK05 Dual	RQ-55I	RS-55	RS-05
Housing	Metal	Metal	Metal	Metal	Metal	Metal
WAN	1 X Gbe	1 X Gbe	1 X Gbe	1 X Gbe	1 X Gbe	1 X Gbe
LAN	4 X Gbe	4 X Gbe	4 X Gbe	1 X Gbe	2 X Gbe	2 X Gbe
USB3-Host			12V	1 X USB-H		
Input Voltage	12V	12V	12V	12V	12V	12V
PoE IN (Passive)		Yes	Yes	Yes	Yes	Yes
Industrial DC Conn.	Yes	Yes	Yes	Yes	Yes	Yes
PoE (Active) - Optional				44-57V		
PD (30W)				(36-57V)\$		
PoE (Active) - Optional						
PSE (15W)						
CPU	MT7621	MT7621	MT7621	MT7621	MT7621	MT7621
Flash	32MB	32MB	32MB	32MB	32MB	32MB
RAM	512MB	512MB	512MB	512MB	512MB	512MB
Operating Temperature	-20 to 60° C	-20 to 60° C	-20 to 60° C	-20 to 60° C	-20 to 60° C	-20 to 60° C
eMMC (O)			Yes	Yes	Yes	Yes
RTC	Yes	Yes	Yes	Yes	Yes	Yes
Wi-Fi-4						
Wi-Fi-5 (Dual Band)	Yes	Yes				
Cellular Modem 1	M.2-5G	1x M.2 5G + 1xM.2 CAT4	1x M.2 5G + 1xM.2 CAT4	M.2 5G	M.2-5G	M.2-5G
SIM Slot	2	2	2	2	2	2
External Wi-Fi ANT	4	4	4	4	4	4
External Cellular ANT	4	6	6	4	4	

COMPARISON TABLE

4G Gateways

Product Name	GD44A	GD44B	GD44C	GD44D	GD44E	RF44R
Housing	Metal	Metal	Metal	Metal	Metal	Metal
WAN	1x 10/100	1x 10/100	1x 10/100	1x 10/100	1x 10/100	1x 10/100
LAN	1x 10/100	4x DIO	4x DIO	4x DIO	4x DIO	
D-I/O	4x DIO			2x AI (1 Voltage + 1x 4/20 mA)	2x AI (1 Voltage + 1x 4/20 mA)	
AI						
1 Wire Temp.	1	1	1	1	1	
Sensor Input						
RS232				1x RS232		
RS485	1x RS485	1x RS485	2x RS485	1x RS485	1x RS485	1x RS232 1x RS485
USB-Host			1x USB-H	1x USB-H		
Input Voltage	12V	12V	12V	12V	12V	12V
CPU	MT7628	MT7628	MT7628	MT7628	MT7628	MT7628
Flash	32MB	32MB	32MB	32MB	32MB	32MB
RAM	64MB	64MB	64MB	64MB	64MB	128MB
Operating Temperature	-20 to 60° C	-20 to 60° C	-20 to 60° C	-20 to 60° C	-20 to 60° C	-20 to 60° C
eMMC (O)		Yes	Yes	Yes	Yes	Yes
RTC	Yes	Yes	Yes	Yes	Yes	Yes
Wi-Fi-4	Yes	Yes	Yes	Yes	Yes	Yes
Cellular Modem 1	M.2-CAT-4	M.2-CAT-4	CAT-4	CAT-4	CAT-4	CAT-4
SIM Slot	1	1	1	1	1	1
External Wi-Fi ANT	2	2	2	2	2	2
External Cellular ANT	2	2	2	2	2	2

COMPARISON TABLE

I Series 4G Gateways

Product Name	IA44B	IA44C	IAB44B	IAB44C+E2:E19	IAC44C	ID54R
Housing	Alluminium Alloy	Alluminium Alloy	Alluminium Alloy	Alluminium Alloy	Alluminium Alloy	Alluminium Alloy
WAN	1x 10/100	1x 10/100	1x 10/100	1x 10/100	1x 10/100	1x Gbe
LAN	1x 10/100	1x 10/100	1x 10/100	1x 10/100	1x 10/100	3x Gbe
D-I/O			4x DIO	4x DIO	4 X DIO	
AI			2x AI (1 Voltage + 1x 4/20 mA)	2x AI (1 Voltage + 1x 4/20 mA)	2x AI (1 Voltage + 1x 4/20 mA)	
RS232			1x RS232	1x RS232	1x RS232	
RS485	RS485	RS485	1x RS485	1x RS485	1x RS485	1 X RS485
USB-Host			1x USB-H	1x USB-H	1x USB-H	
Input Voltage	9-30V	9-30V	9-30V	9-30V	9-30V	9-30V
PoE IN (Passive)	Yes	Yes	Yes	Yes	Yes	Yes
Industrial DC Conn.	Yes	Yes	Yes	Yes	Yes	Yes
CPU	MT7628	MT7628	MT7628	MT7628	MT7628	MT7621
Flash	32MB	32MB	32MB	32MB	32MB	32MB
RAM	128MB	128MB	128MB	128MB	128MB	512MB
Operating Temperature	-20 to 65° C	-20 to 65° C	-20 to 65° C	-20 to 65° C	-20 to 65° C	-20 to 65° C
eMMC (O)	Yes		Yes			
RTC	Yes	Yes	Yes	Yes	Yes	Yes
Wi-Fi-4	Yes	Yes	Yes	Yes	Yes	Yes
Wi-Fi-5 (Dual Band)						
Cellular Modem 1	M.2-CAT-4	M.2-CAT-4	M.2-CAT-4	M.2-CAT-4	M.2-CAT-4	M.2-CAT-4
SIM Slot	2	2	2	2	2	2
External Wi-Fi ANT	2	2	2	2	2	4
External Cellular ANT	2	2	2	2	2	2

COMPARISON TABLE

Non-Cellular Routers

Product Name	RV00	RU60	RM60P	RM60M
Housing	Metal	Metal	Plastic	Metal
WAN	1x Gbe	1x Gbe	1x Gbe	1x Gbe
LAN	4 X Gbe	4x Gbe	4x Gbe	4x Gbe
USB-Host	Yes			
Input Voltage	12	12	12	12
PoE IN (Passive)				
Industrial DC Conn.	Yes	Yes	Yes	Yes
CPU	MT7621	MT7621	MT7621	MT7621
Flash	32MB	32MB	32MB	32MB
RAM	256MB	256MB	128MB	128MB
Operating Temperature	-20 to 60° C	-20 to 60° C	-10 to 50° C	-20 to 60° C
Wi-Fi 6 (Dual Band)		Yes	Yes	Yes
External Wi-Fi ANT		4	4	4

Unmanaged Switches

Product Name	XA-82-2	XB-82-2	XC-80-1	XD-50-1
Housing	Alluminium Alloy	Alluminium Alloy	Metal	Metal
LAN	8x 10/100/1000	8x 10/100/1000	8x 10/100	5x 10/100
SFP	2	2		
Input Voltage	44-57VDC	9-57 VDC	9-30VDC	9-30VDC
PoE Out	Yes			
Operating Temperature	-20 to 65° C	-20 to 65° C	-0 to 60° C	-0 to 60° C

COMPARISON TABLE

I Series 5G Gateways

Product Name	IDB05	IDB55	ID55
Housing	Alluminium Alloy	Alluminium Alloy	Alluminium Alloy
WAN	1x Gbe	1x Gbe	1x Gbe
LAN	3x Gbe	3x Gbe	3x Gbe
D-I/O	4x DIO	4x DIO	
AI	2x AI (1 Voltage + 1x 4/20 mA)	2x AI (1 Voltage + 1 X 4/20 mA)	
RS232	1x RS232	1x RS232	1x RS485
RS485	1x RS485	1x RS485	
USB3-Host	1x USB-H	1x USB-H	
Input Voltage	9-30V	9-30V	9-30V
Industrial DC Conn.	Yes	Yes	Yes
CPU	MT7621	MT7621	MT7621
Flash	32MB	32MB	32MB
RAM	512MB	512MB	512MB
Operating Temperature	-20 to 65° C	-20 to 65° C	-20 to 65° C
eMMC (O)	Yes	Yes	Yes
RTC	Yes	Yes	Yes
Wi-Fi-5 (Dual Band)			
Cellular Modem 1	M.2-CAT-4	M.2-CAT-4	M.2-CAT-4
SIM Slot	2	2	2
External Wi-Fi ANT			
External Cellular ANT	2	2	2

COMPARISON TABLE

I Series 4G Routers

Product Name	IA44A	IAC44A	ID54
Housing	Alluminium Alloy	Alluminium Alloy	Alluminium Alloy
WAN	1x 10/100	1x 10/100	1x Gbe
LAN	1x 10/100	4x 10/100	3x Gbe
Input Voltage	9-30V	9-30V	9-30V
PoE IN (Passive)	Yes	Yes	Yes
Industrial DC Conn.	Yes	Yes	Yes
CPU	MT7628	MT7628	MT7621
Flash	32MB	32MB	32MB
RAM	128MB	128MB	512MB
Operating Temperature	-20 to 65° C	-20 to 65° C	-20 to 65° C
eMMC (O)	Yes	Yes	Yes
RTC	Yes	Yes	Yes
Wi-Fi-4			
Wi-Fi-5 (Dual Band)			
Cellular Modem 1	M.2-CAT-4	M.2-CAT-4	M.2-CAT-4
SIM Slot	2	2	2
External Wi-Fi ANT			
External Cellular ANT	2	2	2

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