



Features

- 4G Cellular and WiFi IEEE802.b/g/n
- 5 Port 10/100TX Ethernet Ports
- Dual SIMs and WIFI/Ethernet as WAN
- 1xDI and 1xDO
- 1RS232 and 1 RS485 serial port
- SDK programmable
- Industrial grade for operating wide Temperature -25°C ~ 70°C

Description

XTR-D4G-WF-2305-X6W1 is a cost effective but multi-functional 4G router. It has rugged design with 9-36VDC power input and wide operating temperature between -25°C and 70°C.

Its 4G cellular has global certification, and WiFi is compliant to IEEE802.3b/g/n. Dual SIM is supported.

IPSEC, Open VPN, GRE, L2TP, PPTP, DMB PN and firewall are also supported for security enhancement.

In addition, it has SDK to support programming capability with C and C+ language. LGT-2305-X6W1 is perfect fit for your industrial application.

Specifications

Cellular Interface

Number of Antennas	2
Connector	SMA-K
SIM	2 Mini SUM(2FF)

Ethernet Interface

Number of Ports	5 x 10/100 Mbps 5LAN by default, can be configured as 1WAN+4LAN
WAN Ports	Support 802.3af&803.at PD feature on Ethernet Port (Optional)
Magnet isolation protection	1.5KV

WiFi Interface

Number of Antennas	2
WiFi Interface	RP-SMA-K
Standards	802.11b/g/n, support AP and Client modes
Frequency	bands 2.4GHz
Security	WEP, WPA, WPA2
Encryption	64/128 AES, TKIP
Data Speed	2x2 MIMO, 300Mbps

Analog Input

Type	1 x AI (can be configured as voltage type or current type)
Voltage Input Range	0-24VDC
Current Input Range	4~20mA (current type input requires external resistance, and finally measured by voltage)
Socket form	2 x 3-pin 3.5mm female socket
Signal definition	AI, AGND

Serial Port

Type	1 x RS232 + 1 x RS485
Socket form	2 x 4-pin 3.5mm female socket
Signal definitions	RS232: RXD, TXD, SGND, RTS, CTS RS485: Data+(A), Data-(B), GND

Other Interfaces

GPS	No. 1 x GPS interface (optional)
USB	1 x 480Mbps high-speed USB2.0 interface

Digital I/O

Type	1 x DI + 1xDO, wet contact
Isolation	3KV
Socket Form	2 x 3 Pin 3.5mm female socket
Level	3~30VDC=HIGH, 0~1VDC=LOW
Absolute maximum VDC	30VDC (DI/DO)
Absolute maximum ADC	10mA (DI/DO)

Software

Number of Antennas	2
Connector	SMA-K
Network protocols	PPP, PPPoE, TCP, UDP, DHCP, ICMP, NAT, HTTP, HTTPS, DNS, ARP, NTP, SMTP, Telnet, VLAN SSH2, DDNS, etc
VPN Tunnel	IPsec, OpenVPN, GRE
Firewall	DMZ, Anti-DOS, Filtering (IP/Domain Name/Mac Address), port mapping, access control
Remote Management	Web, CLI, SMS

Environment

Operating temperature	-25°C ~ 75°C
Storage temperature	-40°C ~ 85°C
Relative Humidity	5 ~ 95% RH

Others

Reset button	1xRST
RTC	External RTC clock, Backup energy storage capacitor can be maintained for 2 days
LED indicators	1xRUN, 1 xMDM, 1xUSR, 1xRSSI, 1xWiFi
Built-in	Watch-dog, Timer

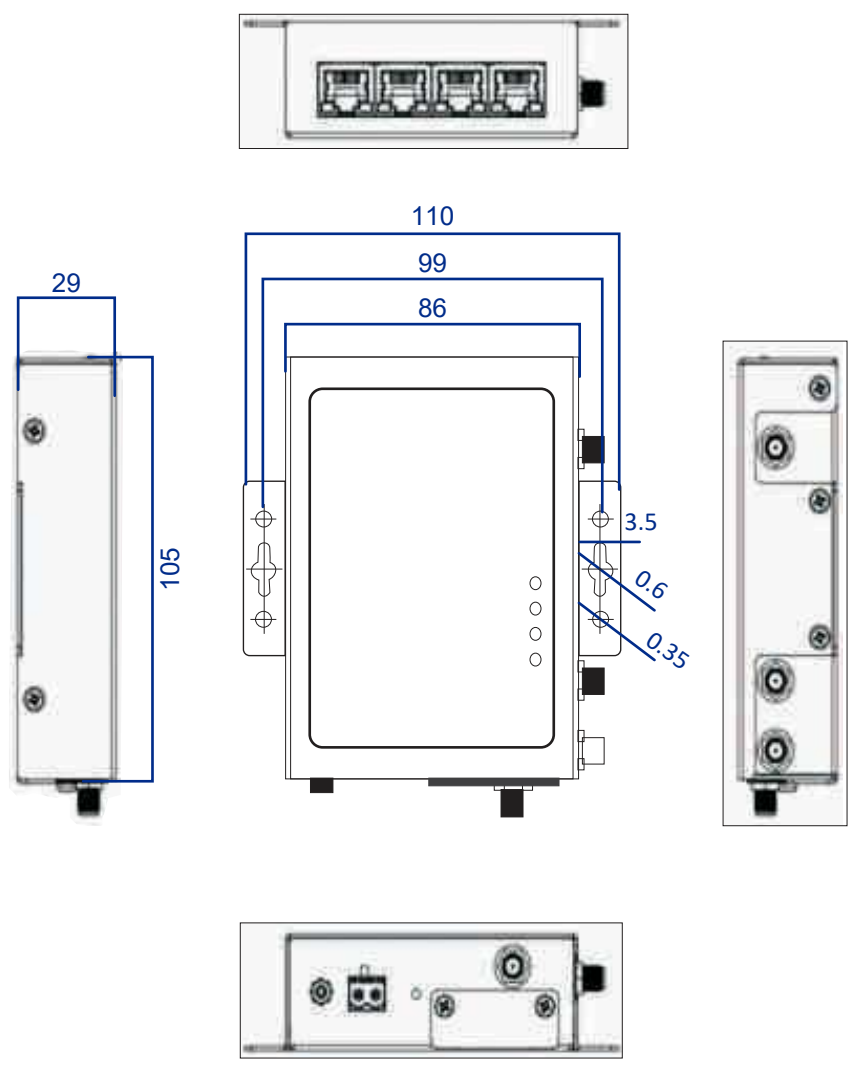
Regulatory Approval

Type	1 x AI (can be configured as voltage type or current type)
Voltage Input Range	0-24VDC
Environmental	ROHS2.0, WEEE
EMI	EN55032: 2012/AC: 2013 (CE & RE) CLASS B
EMS	EN61000-4-2 (ESD) Contact Level 2 EN61000-4-3 (RS) Level 2 EN61000-4-4 (EFT) Level 2 EN61000-4-5 (Surge) Level 2 EN61000-4-6 (CS) Contact Level 2 EN61000-4-11 (DIP) Contact Level 2

Physical

Ingress Protection	IP30
Housing and Weight	Plastic, 250g
Dimension(W x H x D) (mm)	29 x 105 x 86
Installation	Desktop, wall mounting, and 35mm din rail mounting

■ Mechanical Drawings (Unit = mm)



■ Ordering Codes

Model Number	Description
XTR-D4G-WF-2305-X6W1	5x 10/100T(x), 4G, WiFi Operating Temperature: -25°C ~ 75°C Antenna, cables and accessories are not included.

XTR-D4G-WF-2305-X6W1-15-04-2024