MaxGate 400 Series

Din-Rail ARM Quad-core Cortex-A7 industrial intelligent gateway

- 2*100M Copper ports，4*isolated RS485,and 1* USB2.0
- Optional 4G cellular network and Wi-Fi (802.11 b/g/n)
- 1.3GHz triple-core processor (ARM Cortex-A7 + Cortex-M0), 32-bit architecture
- 512MB DDR3 memory + 8GB eMMC storage, supporting multitasking and data caching
- Supports -40 ℃ ~+75 ℃ industrial environment, IP40 protection
- Applicable to high-reliability scenarios such as industrial automation, smart cities, and intelligent transportation

Features and Benefits

- Triple-core 32-bit ARM Cortex-A7 + 1 32-bit ARM Cortex-M0 processor
- 512MB DDR3 + 8GB eMMC, 2*100M copper ports, 4 isolated RS485 ports, 1 USB2.0 HOST
- Optional 4G cellular network, Optional Wi-Fi (802.11 b/g/n) + Bluetooth (BLE 5.1)
- Built-in mature wired, cellular, and Wi-Fi network management systems, supporting multi-network mutual backup switching, automatic reconnection in case of failure, and other mechanisms
- Built-in mature equipment remote maintenance software system, supporting multiple VPN protocols, quickly connecting to the privately deployed MixConnect platform, and building remote maintenance channels for PLC and other equipment with one click
- Supports user secondary development, supports built-in Modbus gateway function
- Supports Docker, secondary development and deployment of own programs quickly
- Ubuntu system, supports apt package manager
- Supports 1 DC12~48V wide voltage, non-polarity input
- Supports -40℃~+75℃ industrial environment, IP40 Level protection

Specification

System	
Processor	Tri-core 32-bit ARM Cortex-A7 + 32-bit ARM Cortex-M0, main frequency 1.3GHz
OS	Ubuntu
Memory	512MB DDR3
Storage	8GB eMMC
Interface	
Ethernet Port	2* 10/100Base-T(X) auto-sensing copper ports, supporting full/half duplex, auto MDI/MDI-X,
Cellular network interface (optional)	Antenna interface: 1, SMA-K (external thread and internal hole) SIM holder: Nano SIM card slot
USB	1 Type-A USB 2.0 port (HOST)
Wi-Fi+Bluetooth (optional)	Antenna interface: 2*RP-SMA-K (external thread and internal pin) Standard: IEEE 802.11b/g/n + BLE 5.1 Frequency band: 2.4GHz
HDMI interface	1 HDMI 1.4 port, supports 1080p@60Hz video output (does not support audio)
Serial Port	Serial port type: 4 isolated RS485 Connection method: 10-bit 3.5mm pitch terminal block Baud rate: 600bps~460800bps Isolation voltage: 3kVDC
DEBUG interface	1 USB Type-C port for device debugging
Button	Restart or restore factory settings with one click
Indicator	Power indicator, system operation indicator, system error indicator, programmable indicator (6)
Power Supply	
Power Input	DC12~48V wide voltage, non-polarity input

Specification

Full load power consumption	<6W@DC24V
Connection	3-position 5.08mm pitch terminal block with lock
Physical Characteristics	
Dimension	140×35×100(mm) (excluding rail and connector dimensions)
Installation Method	35mm standard DIN rail installation
IP Code	IP40
Weight	About 0.5 kg (excluding antenna)
Working Environment	
Operating Temp	-40℃~+75℃
Storage Temp	-40℃~+85℃
Relative Humidity	5%~95% (non-condensing)
Industry Standard	
EMC	IEC 61000-4-2 (ESD): Level 3 (Contact discharge ±6kV, Air discharge ±8kV) IEC 61000-4-5 (Surge): Level 3 (Power supply: common mode ±2kV, differential mode ±1kV; Network port: common mode ±6kV, differential mode ±1kV; Serial port: common mode ±2kV, differential mode ±1kV) IEC 61000-4-4 (EFT): Level 3 (Power supply: ±2kV; Communication port: ±1kV)

Dimensions

Unit: mm

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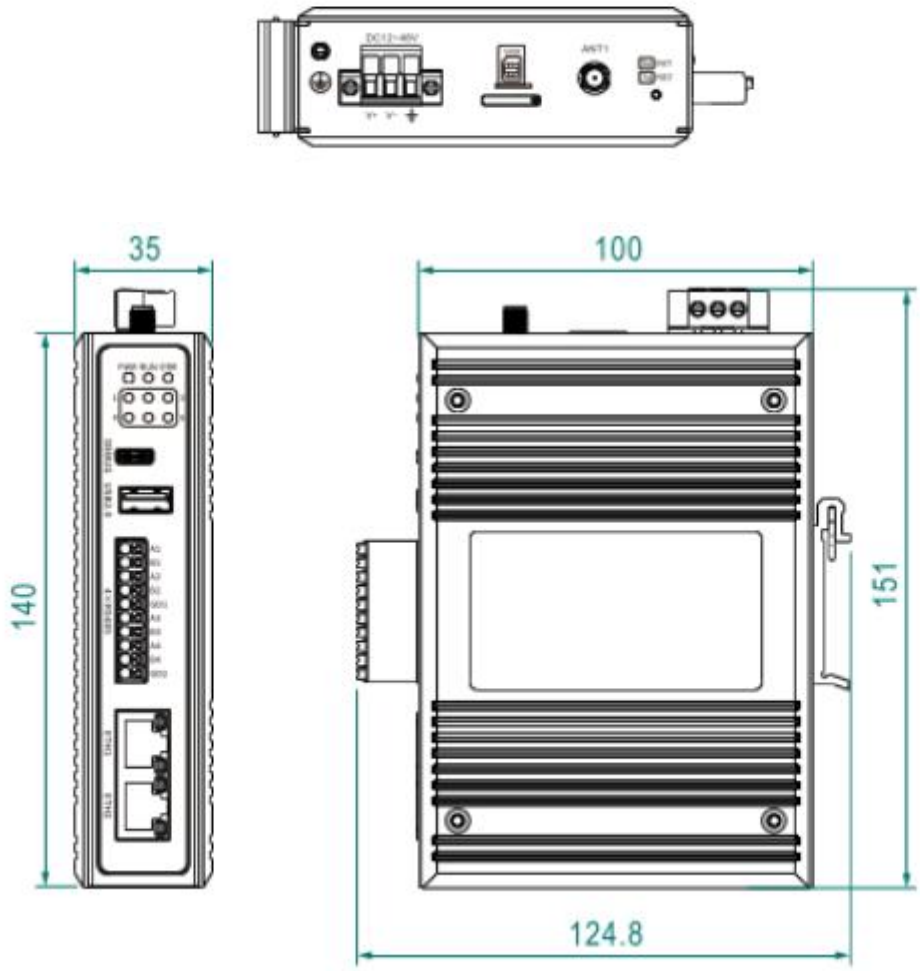

Ordering Information

Model	RAM	Storage	Cellular	Wi-Fi	Ethernet Port	RS485	USB	Power Range
MaxGate400	512MB	8GB	/	/	2*100M RJ45 port	4	1	DC12~48V
MaxGate400-W	512MB	8GB	/	√	2*100M RJ45 port	4	1	
MaxGate400-4G	512MB	8GB	4G	/	2*100M RJ45 port	4	1	

Contact Us

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