

MaxGate300 Series

8-RS232 or RS485 to 2-way Ethernet Modbus Industrial Smart Gateway

Product Description

MaxGate300 series industrial smart gateway is an industrial Modbus gateway designed by Maiwe ,which has the characteristics of anti-lightning, anti-electromagnetic interference, high reliability and high industrial performance.It can realize the conversion between ModbusRTU/ASCII and Modbus TCP protocols, supports 8-way RS232 or RS485 serial ports, and 2x10/100M adaptive Ethernet ports, which can meet the needs of various industrial sites. MaxGate300 series can be used in power systems, industrial monitoring, traffic management, meteorology, water treatment, environmental monitoring, financial securities, coal mines, petroleum and other industries to complete on-site data collection and transmission, remote monitoring, on-site control and other system, providing users with a convenient fast networking solution.



Features:

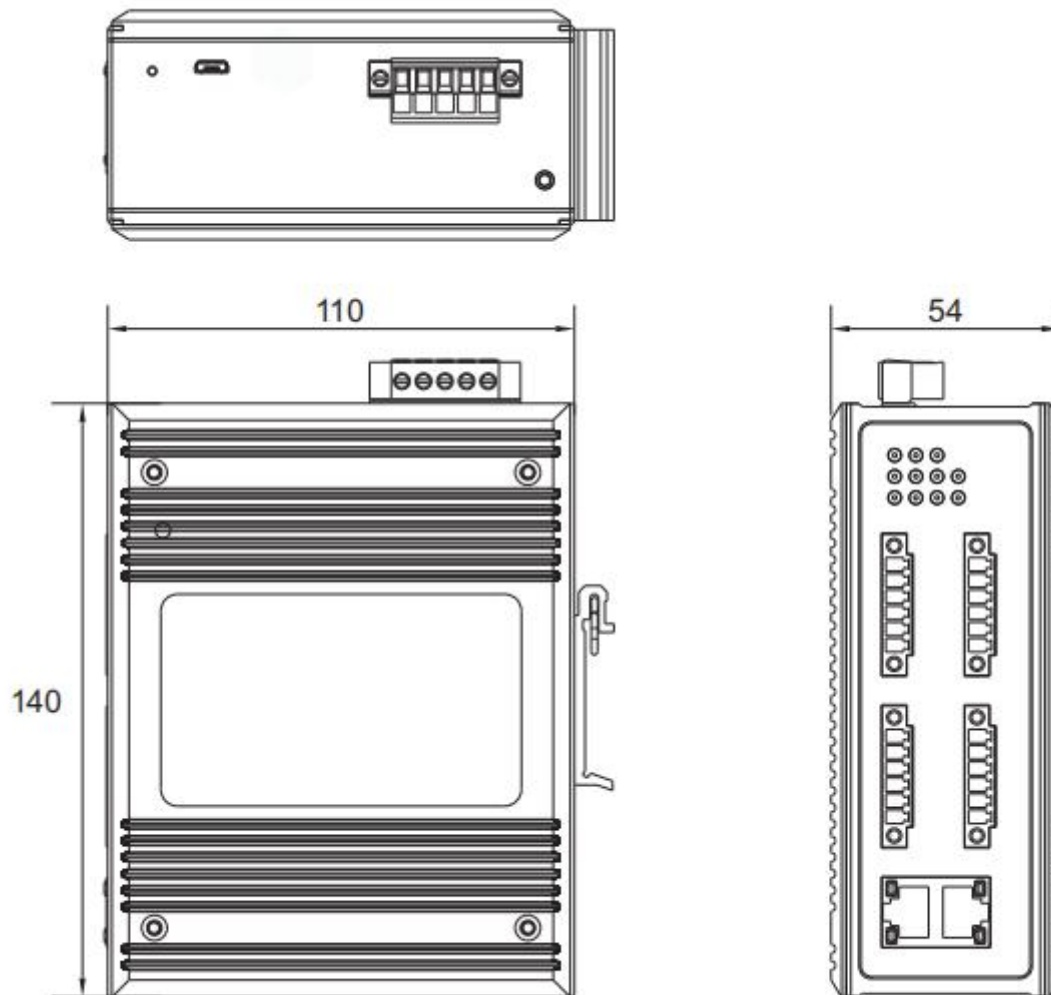
- Cortex-A7 core running at up to 792MHz
- Support 8-way RS232 or RS485 serial port to 2x10/100Base-T(X) adaptive Ethernet ports.
- Support conversion between Modbus RTU/ASCII and Modbus TCP protocols
- Modbus configuration-free pre-reading, single serial port supports 256 Modbus RTU commands
- RS232, RS485 interface up to 4kV surge protection
- Support DC12~48V non-polar input
- Single serial port supports up to 32 TCP Client connections
- Single serial port supports up to 16 TCP Server connections

Product specification

Model		
	MaxGate300-8D232	MaxGate300-8D485
Power		
Power input	DC12-48V	
Power consumption	2.6W@12V	2W@12V
Network port		
Number	2	
Network type	10/100Mbps, RJ45 interface, adaptive MDI/MDIX	
Isolation protection	1.5kV isolation protection	
Serial port		
Number	8*RS232	8*RS485
Serial port parameters	300~460800(bps)	
	T1/2 stop bit; 7/8 data bit	
	None/Odd/Even three verification methods	
Isolation protection	2kVAC/3kVDC isolation protection	
Reliability		
ESD	±8kV(contact) ±15kV(air)	
Surge	Power supply: ±4kV/common mode ±4kV/differential mode;	
	RS232: ±4kV/common mode;	
	RS485: ±4kV/common mode, ±4kV/differential mode;	
	Network port: ±6kV/common mode ±2kV/differential mode	
EFT	Power supply: ±4kV Communication port: ±4kV	
Others		
Size(L*W*H)	140x54x110(mm)	
Working environment	-40℃~+85℃ 5%~95% RH	
Storage temperature	-40℃~+85℃ 5%~95% RH	
Software parameters		

Network protocol	IP,TCP,UDP,DNS,ARP,SNMP,SSH,ICMP,HTTP,DHCP Client, RFC2217,NTP,SMTP,TELNET
IP acquisition	Static IP, DHCP
DNS	Support
User configuration	Web configuration/console port simple network parameter configuration
Modbus	Modbus RTU/ASCII to Modbus TCP
Simple transparent transmission	TCP Server/TCP Client/UDP Client/UDP Multicast/RealCOM/Pair Connection
Serial port packaging mechanism	The time and length can be set; the maximum package length is 1460bytes
TCP Server connection	Single serial port supports up to 32 TCP Client connections
TCP Client connection	Single serial port supports up to 16 TCP Server connections
Web cache	Send: 16Kbyte; Receive: 16Kbyte;
Serial port cache	Send: 16Kbyte; Receive: 16Kbyte;
Heartbeat packet	Support TCP Keepalive mechanism, customize heartbeat packet content
Registration package	Customize registration package contents
RFC2217	Support
RFC2217	Support
WebSocket Client	Support
RealCOM	Support Maiwe,, Moxa, Kanghai and other working modes
average transmission delay	<10ms
Supporting software	Network management configuration tool, virtualcom software, MWView, MaxView

Dimensional drawing



Ordering Information

Models	100M copper port	RS232	RS485	Power input
MaxGate300-8D232	2	8	/	DC12-48V
MaxGate300-8D485	2	/	8	