

Industrial Media Converters

3611 – Serial to Ethernet



Wall Mounting

- 1 RS-232/RS-485/RS-422 Serial Device Server
- Support 1 serial port to 1 10/100Base-T(X) self-adaptive Ethernet interface
- Support TCP Server, TCP Client, TCP Auto, UDP, Advanced TCP Server, Advanced UDP and other operating modes
- Support 9~48VDC wide voltage input range
- Support -40~75°C wide temperature operation

The 3611 is a serial to ethernet server that allows a serial device to operate over an Ethernet network and centrally manage serial devices and hosts in remote locations via the network. The 3611 supports 1 x RS-232/RS-422 /RS-485 to 1 x 100M Ethernet copper port.

The 3611 supports multiple network protocols, such as TCP, UDP, ARP, ICMP, HTTP, DNS and DHCP protocol. It also allows remote management including Access Control, Rapid Configuration, Online Upgrading and so on. Each serial port supports 4 TCP or UDP session connections, and also supports TCP Server, TCP Client, TCP Auto, UDP, Advanced TCP Server, Advanced UDP operating modes and AT, WEB access modes. A management configuration tool based on a Windows platform can guide the user to manage and configure the 3611, allowing the networking of serial devices via simple settings.

The 3611 operates without fans and has low power consumption, a wide operating temperature and has passed rigorous industrial standards tests, making it suitable for harsh environments which also have strenuous EMC requirements. It can be widely used in PLC control and management, Building Automation System, Health Care Automation System, measuring instrument and environmental forces monitoring system.

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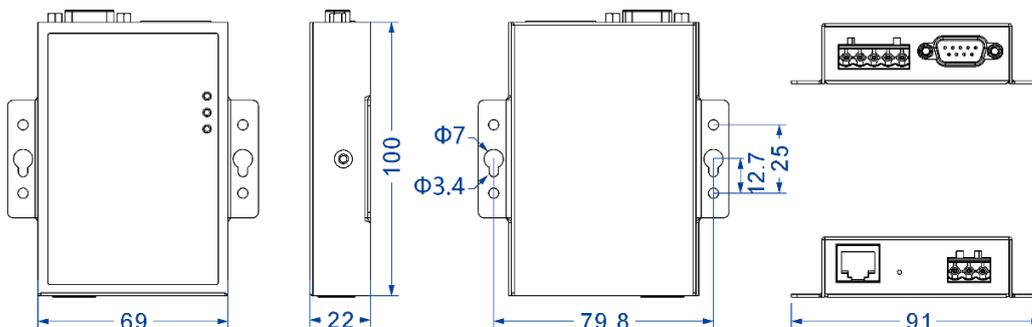
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FEATURES

- 32 bits ARM processor
- 10/100Base-T(X) self-adaptive Ethernet interface
- AUTO MDI/MDIX, which can be connected via crossover cable and straight-through cable
- Non-Blocking 300bps-115200bps line speed and communications
- Low power consumption mode and high-performance mode
- TCP Server, TCP Client, TCP Auto, UDP, Advanced TCP Server and Advanced UDP operating mode
- Support for AT command, which is convenient for the secondary development of users
- Support for DNS, which can achieve communication via domain name
- Support for across gateway and routing communication
- Virtual serial port drive access mode and automatic connection recovery after network interruption
- Flexible e serial port data framing setting, which can satisfy user's various demands for data packets segmentation
- Support port standard TCP/IP SOCKET application access
- TCP supports multi-connection, which allows maximum 4 users to monitor or manage the serial device simultaneously
- Supports single machine or multi-machine communication, which allows multiple users to monitor or manage the serial device simultaneously
- Support Windows configuration tool, serial port, WEB and other configuration forms
- Support local and remote system firmware upgrading

Dimensions



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Fact sheet

SPECIFICATIONS	
Ethernet	<p>Standard: Ethernet Port 10Base-T, 100Base-TX</p> <p>Protocol: TCP, UDP, ARP, HTTP, ICMP, DHCP, DNS</p> <p>Rate: 10/100M automatic flow control, MDI/MDI-X auto-tuning Interface quantity: 1 1 x RJ45 Interface</p> <p>Duplex mode: full/half duplex mode self-adaption</p> <p>Operating mode: 4 sessions, support TCP Server, TCP Client, UDP, TCP Auto, Advanced TCP Server and Advanced UDP</p>
Serial Port	<p>Standards: EIA RS-232C, RS-485, RS-422</p> <p>RS-232 signals: RXD, TXD, DTR, GND, DSR, RTS, CTS</p> <p>RS-485 signal: D+, D-, GND</p> <p>RS-422 signal: T+, T-, GND, R+, R-</p> <p>Baud rate: 300-115200bps</p> <p>Data bit: 5bit, 6bit, 7bit, 8bit</p> <p>Parity bit: None, Even, Odd, Space, Mark</p> <p>Stop bit: 1bit, 1.5bit, 2bit</p> <p>Physical Interface: RS-232, adopt DB9 male; RS-485/422, adopt 5 pins 5.08mm pitch terminal blocks</p> <p>Directional control: RS-485 direction adopts data flow automatic control technology</p> <p>Load capacity: RS-485/422 end supports 32 points polling (customizable 128 points) Pull high/low resistor for RS-485: 4.7kΩ</p>
Configuration	WEB configuration management, serial port AT command, Windows configuration tool
Security	Classification of User Permissions
Indicators	Power supply indicator, Ethernet port indicator, serial port indicator
Power Supply	9~48VDC, 3 pins 5.08mm pitch terminal blocks Support reverse polarity protection
Power Consumption	No-load: 0.80W@12VDC Full-load: 0.84W@12VDC
Environment	Operating temperature range: -40~75°C, Storage temperature range: -40~85°C, Humidity Relative humidity: 5% ~ 95% (no condensation)
Physical Characteristics	Housing: IP40 protection, metal Installation: wall mounting Dimension: (W x H x D): 69mm×22mm×100mm Weight: 240g
Industrial Standards	<p>IEC 61000-4-2 (ESD, Electro-static Discharge)</p> <ul style="list-style-type: none"> ▪ Level 3; Air discharge: ±8kV ▪ Contact discharge: ±6kV
	<p>IEC 61000-4-4 (EFT/B, Electrical Fast Transient/Burst), Level 3</p> <ul style="list-style-type: none"> ▪ Power supply: ±2kV ▪ Ethernet interface: ±1kV ▪ Serial port: ±1kV
	<p>IEC 61000-4-5 (Surge), Level 2</p> <ul style="list-style-type: none"> ▪ Power supply ±1kV, differential mode ±1kV
	<ul style="list-style-type: none"> ▪ Shock: IEC 60068-2-27 ▪ Free fall: IEC 60068-2-32 ▪ Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS