

ERC6010

Ethernet serial device server
Modbus RTU to TCP Gateway

*M2M applications
Remote monitoring
Industry 4.0/IoT*



Features

- ◆ TCP socket connection
- ◆ Modbus RTU to Modbus TCP conversion
- ◆ Client/Server mode
- ◆ 10/100 Base-T Ethernet network
- ◆ Dynamic IP (DHCP)
- ◆ Active connection monitoring
- ◆ RS232 port (DSUB-9)
- ◆ 300bps-115200bps adjustable baudrate
- ◆ ViCom virtual COM Port application
- ◆ Setup via ERCManager program
- ◆ Port number settings
- ◆ DC 6.5-30V supply
- ◆ Screw terminal power connection
- ◆ 2.1mm adaptor jack
- ◆ TCP/IP, DHCP, UDP, ARP, ICMP(ping), DNS protocols
- ◆ 4 leds
- ◆ 126,1x90,6x56,6 mm (WxLxH)

Advantages

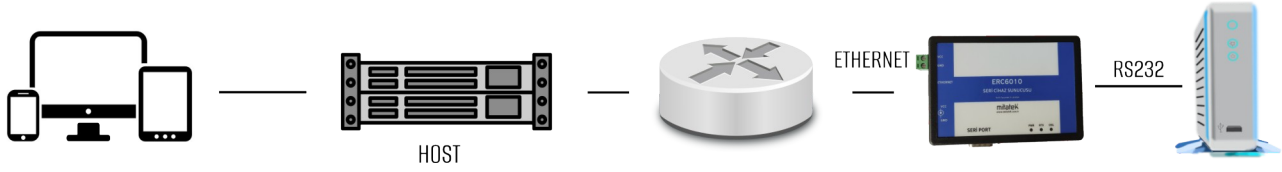
- ◆ Connecting serial devices to ethernet network for remote access.
- ◆ Transparent data function makes ideal for protocol free applications.
- ◆ Any Modbus RTU device connected to serial port can be monitored from network via Modbus TCP protocol.
- ◆ Active connection monitoring and restoring for data inactivity.
- ◆ Virtual COM port can be used for older COM only applications.
- ◆ 32 bit 100 MHz CISC processing power for fast system responses.

Brief information

32 bit 100 MHz CISC processing
-40- +85°C operating temperature
DC 6.5-30V supply
EN60950, EN55022, EN55024
Screw terminal power connection



Application information



Serial port pin diagram

Pin	Açıklama	Pin	Açıklama
1	NC	6	NC
2	RX	7	NC
3	TX	8	NC
4	NC	9	NC
5	GND		

Electrical characteristics and operating conditions

Value	Min	Max	Notes
Power supply	6.5	30	V(DC)
Operating temperature	-40	85	°C
Current	30	100	mA (@ 5V)
Ethernet	10Base-T	100Base-T	-
Baudrate	300	115200	bps
Ethernet over voltage protection	-	1000	V
Serial protocols	8N1, 7E1, 7O1, 7O2, 8E1, 8E2 ,8O1,8O2		
Processing type	32 bit CISC		
Processing speed	100 MHz		
Active connection monitor timeout	15 minutes		

Documents

Type	Name
User manual	MT_ERC6010_KK_03

Order code

ERC6010XY-Z	X: Adaptor option [B=No adaptor, F= with adaptor] Y: Rail monunt option [N=No rail mount, D= Rail mount device] Z: Serial port option [2= RS232, 4=RS485]
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