

ERC555

Ethernet Serial Device Server

*M2M applications
Remote monitoring
Web monitoring*



Functions

- ◆ Operation in Client Mode and server mode, **Benefits** Web Server (serial port communication over http)
- ◆ 10BaseT Ethernet network speed(100BaseT compatible)
- ◆ Dynamic IP assigning (DHCP)
- ◆ Connection without IP address (NetBIOS)
- ◆ RS232 or RS485 connection
- ◆ 300bps-115200bps configurable Baudrate
- ◆ HW flow control
- ◆ Maximum 512kB serial port buffer (standard version is 128kB)
- ◆ ViCom Virtual Port software
- ◆ Configure and communicate over Http (New web interface)
- ◆ Port number configuration
- ◆ TCP/IP,DHCP,UDP,ARP,ICMP(ping),DNS and NetBIOS protocols

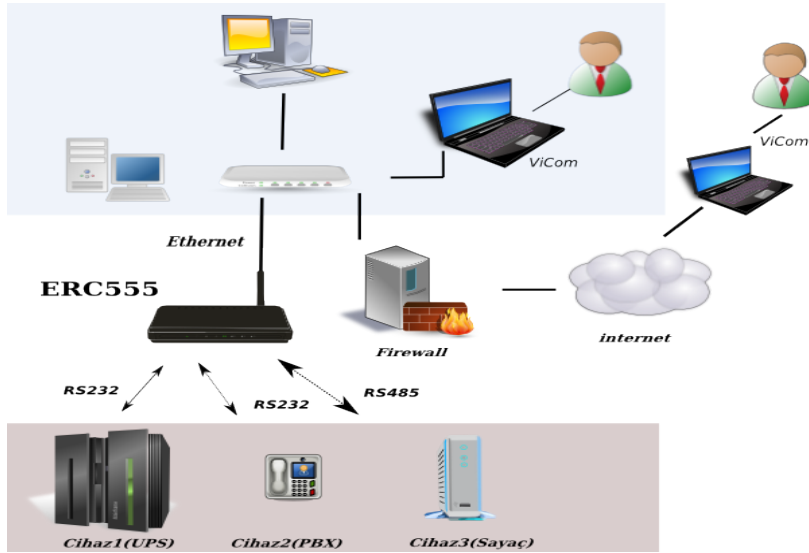
- ◆ Used for a serial device to be connected to Ethernet networks.
- ◆ The serial device can send and receive transparently without any protocol.
- ◆ Serial data can be buffered if there is no TCP connection so that there is no data loss.
- ◆ Virtual Serial ports on a PC can be used so that there will not be any software change.
- ◆ Serial Data can be sent via web interface for test,monitor,etc.

Specifications

Operating temperature -40- +85°C
DC 5V supply
Five Leds
90mmx57mmx26mm
(width,length,height)
EN60950, EN55022, EN55024



Typical Application



Serial Port pin diagram

Pin	Description
1	A (RS485 pin)
2	RX (RS232 pin)
3	TX (RS232 pin)
4	NC
5	GND
6	NC
7	RTS (RS232 pin)
8	CTS (RS232 pin)
9	B (RS485 pin)

Electrical and operating specifications

Value	Min	Max	Notes
Supply	4	9	V(DC)
Temperature	-40	85	°C
Current	30	100	mA (5V supply)
Ethernet	10Base-T	-	-
Baud	300	256000	bps(for 256k version please contact)
Ethernet over voltage protection	-	1000	V
RS485 mode	Half duplex	-	No termination resistance
Buffer	128	512	kB
Buffering speed without HW flow disabled	300	57600	bps
Serial Protocol	8N1, 7E1, 7O1, 7O2, 8E1, 8E2 ,8O1,8O2		

Documentation

Value	Name
User Manual	MT_ERC555_KK_16

Order Code

ERC555_BXX_YYY	XX:Buffer size[12:128kB,25:256kB,38:384kB,51:512kB] YYY: RS option [232,485]
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