

ERC555

Ethernet Serial Device Server

*M2M applications
Remote monitoring
Web monitoring*



Functions

- ◆ Operation in Client Mode and server mode, 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
- ◆ 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

Benefits

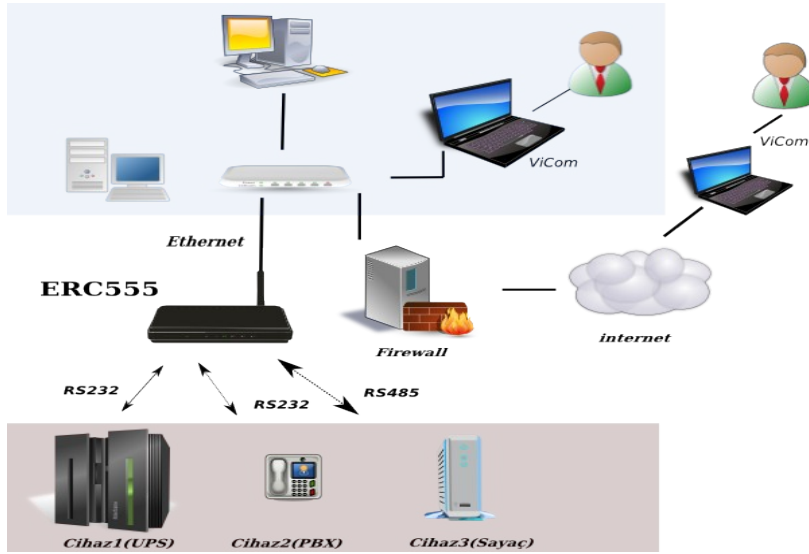
- ◆ Used for a serial device to be connected to Ethernet networks.
- ◆ The serial device can send and receive transparently without any protocol.
- ◆ Virtual Serial ports on a PC can be used so that there will not be any software change.
- ◆ Serial Data can be sent via web interface for test,monitor,etc.

Specifications

Operating temperature -10- +60°C
DC 5V supply adaptor option
Five Leds
90mmx57mmx26mm
(width,length,height)
EN60950, EN55022, EN55024



Typical Application



Serial Port pin diagram

Pin	Description
1	A (RS485 pin)[for -485 option]
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)[for -485 option]

Electrical and operating specifications

Value	Min	Max	Notes
Supply	4	9	V(DC)
Temperature	-10	60	°C
Current	30	100	mA (5V supply)
Ethernet	10Base-T	-	-
Baud	300	115200	bps
Ethernet over voltage protection	-	1000	V
RS485 mode[for -485 option]	Half duplex	-	No termination resistance
Serial Protocol	8N1, 7E1, 7O1, 7O2, 8E1, 8E2 ,8O1,8O2		

Documentation

Value	Name
User Manual	MT_ERC555_KK_20

Order Code

ERC555_B00AD-YYY	A: +5V DC Adaptor, D:Din Rail mount YYY: RS option [232,485]
------------------	---

Copyright 2025 by Mitatek Elektronik. All rights reserved. No portion of this document may be copied, photocopied, reproduced, transmitted, transcribed, stored in a retrieval system or translated into any language or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise, without the prior written permission of Mitatek Elektronik.

© 2025 Mitatek Elektronik. All rights reserved. All product names mentioned within this document are the trademark of their respective owners.



Mitatek Elektronik Tasarım Müh. San ve Tic. Ltd. Şti.
Mimarsinan Mah. Çavuşbaşı Cad. Ceren Sok. N.12 D.5 34782
Çekmeköy/İstanbul/TÜRKİYE
+90216 316 11 15 – +90216 521 33 78(fax)
www.mitatek.com.tr mitatek@mitatek.com.tr

MT_ERC555_DS_03i