



EtherPAD Lite

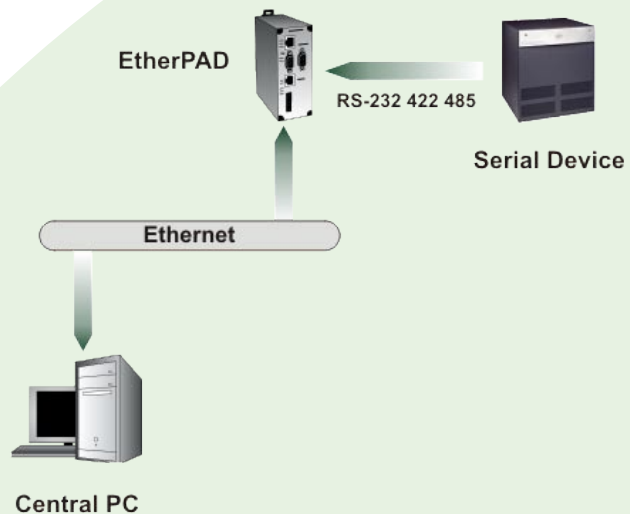
Datasheet



Connecting devices to networks

- Serial to Ethernet conversion
- Modbus Bridge
- Industrial Design
- Web, Telnet, FTP and Serial configuration
- Quick deployment
- Secure

Connect Asynchronous Serial devices to Ethernet networks and the Internet, simply and cost-effectively with the Multenet EtherPAD Lite. The EtherPAD Lite is a versatile connectivity device that can be used in stand-alone, DIN rail or 19" rack-mount applications. It has a 10/100 Base-T Ethernet interface and a RS232/RS422/RS485 serial interface connecting an asynchronous serial device to an Ethernet network. The EtherPAD Lite also supports full Modbus Master and Slave Bridge.



EtherPAD Lite



PROD0208

The EtherPAD Lite is a single port serial device server providing a software selectable RS232, RS422 and RS485 serial interface and a 10/100 BaseT Ethernet interface. The EtherPAD is popular in the industrial automation environment, with its robust aluminium housing, DIN Rail form factor, 24 Volt power supply, and support for Modbus/ASCII and Modbus/RTU serial protocols. The EtherPAD Lite also supports Serial, Telnet, FTP and Web Browser based configuration.

The EtherPAD Lite can be set up as a Modbus Master Bridge or Slave Bridge. The EtherPAD Lite allows your networked master MODBUS PLC, using the MODBUS/TCP protocol, to communicate with a serial device, for example a flow meter communicating using MODBUS/RTU, via the Internet. In this case, the Lite will be set-up as a MODBUS Slave bridge and will enable the MODBUS/RTU protocol of the flow meter to interface with MODBUS/TCP as used by the PLC.

Key Features

- Full Modbus Bridge
- Multiple Network Connections
- Low Cost and Compact Size
- SNMP Support
- Secure
- DIN Rail Mountable
- Full Isolation

Product Applications

- Industrial Automation
- Access Control
- Point of Sale
- Banking
- Building Automation



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Technical Specification

Features

- Device network connectivity via UDP/IP and TCP/IP
- Device management via web, telnet, DHCP/TFTP, serial
- Windows configuration utility
- Flash memory for convenient software updates
- Low cost and compact size
- Modbus Master and Slave Bridge
- Supports Modbus/RTU Modbus ASCII and Modbus/TCP
- SNMP v1, v2 (MIB-II) device monitoring
- DHCP Client
- Monitoring tools via web interface
- Password protection

Software Specification

- **Network Protocols:** TCP/IP, UDP/IP, BootP/DHCP, TFTP, ICMP, ARP, Proxy ARP, Telnet, HTTP, SMTP, DNS, SNMP (v1, v2), Redirector, Modbus/TCP
- **Serial Protocols:** Raw, Redirector, TC500, Modbus/RTU, Modbus/ASCII
- **Parity:** None, Even, Odd, Mark, Space
- **Flow control:** None, Hardware (RTS/CTS), Software (XON,XOFF)
- **Data Size:** 5,6,7,8
- **Stop bits:** 1,2
- Web Server
- Password protection
- Firmware upgrade network or serial
- Multiple concurrent connections

Hardware Specification

- ARM9 Processor
- 16MB RAM, 8MB Flash
- 10/100 Base-T Ethernet interface with Auto-Sensing and Auto MDI / MDX
- RS-232 / RS-422 / RS-485 Serial interface
- LED indication for Ethernet, Serial and Power

Physical Specification

- **Connectivity:** Ethernet (10/100 Base-T): RJ45, Serial Port (RS232/RS422/RS485): DB9 male
- **Enclosure:** Black anodized aluminium extrusion with stainless steel faceplate.
- **Dimensions:** 131mm x 105mm x 54mm
- **Weight:** 500g
- **Temperature Range Operating:** 0 degrees Celsius to 60 degrees Celsius
- **Temperature Range Storage:** 20 degrees Celsius to 85 degrees Celsius

Electrical Specification

- **Power Requirement:** 5W - 10V-30V DC or 10V-20V AC (Power Adaptor Available as an option)
- Power connector on front for DIN Rail PSU Connection

Standards Compliance

CE
RoHS
UL

Part Numbers

EtherPAD Lite v2:	PROD0208
Power Adaptor:	PROD0925
DIN Rail Mounting Kit:	PROD0206
19" Rack Mounting Kit:	PROD0207

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