



PocketPAD 1



The PocketPAD 1 is a low-cost, light-weight device server connecting an asynchronous serial device to Ethernet networks. The PocketPAD can be used as a stand-alone desktop or mounted on a DIN-rail.

This product range includes the following hardware configurations:

- One RS232 serial to 10/100Base-T Ethernet
- One RS422/RS485 serial to 10/100Base-T Ethernet

Features include:

- Device network connectivity via UDP/IP or TCP/IP.
- Device management via Telnet, DHCP/ TFTP, Web Browser, SNMP (MIB II), Built-in Serial configuration interface, Windows configuration Utility.
- Web enabled allowing unit configuration via Web browser.
- Flash memory for convenient software updates.
- Low cost and Compact Size.
- Lightweight.
- Multiple Network connections allowed to the same Serial data stream.
- DIN Rail mounting kit available.

Software Specification

- **Network Protocols:** TCP/IP, UDP/IP, BootP/DHCP, TFTP, ICMP, ARP, Telnet, HTTP
- **Serial Protocols:** Raw, TC500
- **Parity:** None, Even, Odd, Mark, Space
- **Flow Control:** Hardware (RTS/CTS), Software (XON, XOFF), None
- **Data Size:** 5, 6, 7, 8
- **Stop bits:** 1, 2
- **Data Throughput:** 300 - 230400 Baud
- Web Server (Configuration)
- Password protection
- Software upgrade over serial Kermit
- Multiple concurrent network connections (25 socket connections)

Hardware Specification

- ARM9 processor
- 8MB RAM, 4MB Flash
- 10/100Base-T Ethernet line interface (Autodetect)
- One RS232 Serial interface
- Optional RS422/RS485 Serial interface module (replaces RS232)
- LED indication for Ethernet and Serial port status, Power & Heartbeat
- Removable DIN-rail mounting bracket
- Jumper Selectable Power-Over-Serial (pin 9). 200mA, 5V DC.

Physical Specifications

Connectivity:

Ethernet (10/100Base-T): RJ45 connector

Serial port (RS232/RS485): DB9 male connector

Enclosure: Poly Carbonate

Dimensions: 120mm x 90mm x 40mm

Weight: 180g

PSU Weight: 75g (Torpedo PSU)

Temperature Range Operating:

0 degrees Celsius to 60 degrees Celsius

Temperature Range Storage:

-10 degrees Celsius to 70 degrees Celsius

Options Available

- RS232/RS422/RS485 drop-in module (replaces the RS232 interface)

Electrical Specifications**Power requirement:****External Power supply:** 2W (5V DC)**Consumption:** 200mA

(Very light-weight Torpedo Power Supply available as an option)

Pin	Signal	Description	
1	TX+	OUT	TRANSMIT DATA
2	TX-	OUT	TRANSMIT DATA
3	RX+	IN	RECEIVE DATA
4, 5	POE+	-	POWER OVER ETHERNET
6	RX-	IN	RECEIVE DATA
7, 8	POE-	-	POWER OVER ETHERNET

Ethernet RJ45 Interface Pin-out

Pin	Signal	Description	
1	DCD	IN	CARRIER DETECT
2	RXD	IN	RECEIVE DATA
3	TXD	OUT	TRANSMIT DATA
4	DTR	OUT	DATA TERMINAL READY
5	GND	-	SIGNAL GROUND
6	DSR	IN	DATA SET READY
7	RTS	OUT	REQUEST TO SEND
8	CTS	IN	CLEAR TO SEND
9	RI	IN	RING INDICATOR
9*	POS	-	POWER OVER SERIAL

Serial RS232 Interface Pin-out

[* POS selectable via onboard jumper]

Pin	Signal	Description	
1	CD	IN	CARRIER DETECT
2	RX-	IN	RECEIVE DATA NEGATIVE
3	TX-	OUT	TRANSMIT DATA NEGATIVE
4	DTR	OUT	DATA TERMINAL READY
5	GND	-	SIGNAL GROUND
6	DSR	IN	DATA SET READY
7	TX+	OUT	TRANSMIT DATA POSITIVE
8	RX+	IN	RECEIVE DATA POSITIVE
9	RI	IN	RING INDICATOR
9*	POS	-	POWER OVER SERIAL

Serial RS422/RS485 Interface Pin-out (DB9)

[* POS selectable via onboard jumper]

Part Numbers**PocketPAD 1 (RS232):**

POK1A232DC050402

PocketPAD 1 (RS232/RS422/RS485):

POK1A485DC050402

Euro Power Adapter (220V):

PSUT-EU-05VDC

US Power Adapter (120V):

PSUT-US-05VDC

DIN Rail Mounting Kit: DK-02**Contact Details**E-mail: info@multenet.comWeb site: <http://www.multenet.com>

Product specifications are subject to change without notice.