



Connecting Devices to Networks



The **PocketPAD FX** is a low cost single port Serial to "Fiber Optic" Ethernet converter. The PocketPAD FX has one RS232 port and one Fiber Optic SC Ethernet port which is 100 BaseFX.



The **PocketPAD Multidrop** is an innovative low cost serial to Ethernet converter supporting multi-drop Ethernet. The embedded Ethernet switch allows one to daisy-chain the Ethernet cabling direct from one device to the next.



The **PocketPAD Power over Ethernet** features the ability for the device server to be powered over the Ethernet cable, thus avoiding the necessity for a separate power supply infrastructure to the device. This functionality is compliant with the IEEE 802.3af standard and can produce significant cost savings and practical benefits in the appropriate implementation.



The **PocketPAD Router** is an innovative way to connect remote devices or a remote network, to your local network over serial, PTSN, GSM or GPRS networks. The PocketPAD Router includes support for a Dial-In PPP Service (RAS), Dial-Out On-Demand, IP Forwarding, Proxy ARP and Network Address Translation (NAT). Onboard tools make network monitoring convenient.



The **PocketPAD Java** is a low cost serial device server that supports an embedded Java Virtual Machine. This innovation is ideal for the user who wants to run custom Java applications directly on the device. The PocketPAD Java has four RS232 Serial ports and one Ethernet port which is 10/100 BaseT auto-sensing. It also features a removable data flash card slot, ideal for the development of custom embedded applications.



Scripting Services

Should the script required for your smart device server be too complex or the time required simply not available, ask us for a quotation to do it for you. Our application support engineers have extensive experience in the development of scripts for a variety of applications.

Integration Development Service for OEM's

The above solutions do not address network connectivity as an embedded functionality on your product. By integrating our technology into your product you can acquire the lowest possible cost solution, gaining a competitive advantage. Ask us for a quotation. We can also refer you to a number of satisfied customers who have made use of this service. To take full advantage, please note that this option is volume sensitive.

Opening devices to
the information world



Connecting Devices to Networks

www.multenet.com

Multenet Gateways

Device information at your desk.

Information embedded in your proprietary devices can now be remotely accessed over an Ethernet network. Using open standards, the Multenet product range offers a number of features and solutions for remote connectivity, including:

- Remote monitoring, alarm & event reporting using embedded HTTP, email, SNMP and FTP.
- Running existing applications over Ethernet using com port re-direction.
- Bridging devices over Ethernet.
- Software modules for scripting and data logging.
- Digital I/O.

Implementation of these solutions, offers you the following benefits:

- Instant alarm notification and event reporting.
- Instant access to remote devices for visualisation or configuration.
- Optimization of your maintenance schedule with remote diagnostics and configuration.
- Remote sensing of digital and analog inputs with respective control of digital outputs.

Customization

You can customize our products to better fit the specific requirements of your application. Develop your own dynamic HTML pages to visualize, monitor and control your devices. By downloading these HTML pages to your Multenet products, you get access to your application using any web browser.

EtherPAD Range

The EtherPAD range of products was designed for industrial applications and is based on the ARM 7 processor. The enclosure is of rugged aluminium construction and is available in fully compliant DIN Rail format and also has rackmount and free standing options. The EtherPADs can be powered from a 10 to 20Vdc or 10 to 30Vac DIN Rail Power Supply.

The **EtherPAD Lite** is a single port Serial-to-Ethernet converter and supports Modbus Slave Bridge functionality. This entry level workhorse furthermore supports 10/100 BaseT Ethernet, and software selectable RS232, RS422 or RS485.



The **EtherPAD Duo** is the premium product of the range, which raises functionality from serial server to smart device server. The user can develop customized applications using the SANSscript language. The Duo has two serial ports, both supporting RS232, RS422 and RS485, with a 10/100 BaseT Ethernet port. The Duo also supports advanced Modbus Bridge functionality, Routing and PPP.



The **EtherPAD Digital I/O** has become the leading value proposition of the range. It sports all the Duo features plus I/O functionality, which allows the sensing of both digital and analog inputs. Your custom script can control the required digital outputs. The EtherPAD Digital I/O's price leaves our competitors aghast. Our applications engineers are available to write custom scripts for you.



PocketPAD Range

Based on the ARM 9 processor and a Linux operating system, the PocketPAD range was designed to meet low latency requirements and to offer a variety of interface options, including Fiber Optic, Power over Ethernet and MultiDrop Ethernet. In addition to these, the basic versions are available in single, dual and four port models. The PocketPAD Java with a Java Virtual Machine on board is the premium product of the range. The PocketPAD Router offers network routing and PPP functionality, including IPsec for enhanced data security.

The **PocketPAD 1 RS232** is a low cost single port serial to Ethernet converter. At the entry level, this serial device server was designed to be easy to use and to deliver low latency for excellent performance in all applications. The **PocketPAD 1 RS232** has one RS232 port and one Ethernet port, which is 10/100 BaseT auto-sensing. This model is supplemented by a two port **PocketPAD 2 RS232** and a four port **PocketPAD 4 RS232** version which makes for the lowest available per-port implementation cost in the industry. This product is well suited to retail and commercial IT applications.



The **PocketPAD 1 RS232, RS422, RS485**, features all the attributes of the above products except that as an additional feature it offers RS422 or RS485 on one serial port. Similar to the above trio, this set is completed with a two port **PocketPAD 2 RS232, RS422, RS485** and a four port **PocketPAD 4 RS232, RS422, RS485**

version.