



PCN Enables Ethernet Multi-Drop Access over Modbus Serial Networks

Instantly Enable Modbus Gateways for Ethernet AND RS-485 over a single Twisted Pair

SAN DIEGO, Mar 28, 2012 — PCN is pleased to announce the availability of IP-485® Ethernet networking routers and switches allowing instant deployment of Modbus TCP/IP data over existing operational and installed Modbus Serial twisted pair networks without the need for running any specialized industrial CAT 5/6 wiring.



Designed and tested for critical low latency industrial automation and control environments, PCN's IP-485® network routers and switches work together to interface directly to both Programmable Logic Controllers and Ethernet enabled devices allowing network owners to instantly deploy new Ethernet based devices using already installed twisted pair wiring without impacting any of the existing critical closed system automation and control networks already in place.

Network owners now have the flexibility to instantly deploy new IP based systems instantly without affecting existing Serial operations and without shutting down operations, performing construction, or rewiring to install Modbus TCP/IP networks. Products are plug-and-play, interoperate with standard networking equipment, hot-pluggable in most cases, and have met IEC, FCC, IEEE, UL, CUL regulatory requirements for industrial applications and networks.

To mirror existing SCADA network architectures PCN products enable Multi-Drop of Modbus TCP/IP or any Ethernet devices while simultaneously allowing transport of the critical Modbus Serial automation and control data. PCN standard Modbus TCP/IP Switches allow access to numerous Ethernet devices at each drop. Up to four IP-485® network switches can be addressed from each Single Channel IP-485® router. Multi-Channel Routers enable sixteen IP-485® network switches. Network owners can now deploy Modbus TCP/IP throughout the entire network infrastructure, or where desired while keeping reliability and security of existing serial devices intact.

Applications include critical commercial and industrial applications where IP based video, audio and data communication networks are needed in closed system automation and control applications.



PCN products available now:

- Model # EC3485-S Multi-Channel Router
- Model # EC3485-D-SCS Single Channel Router
- Model# EC3485-D-SCC Ethernet Switch
- Model # EC3485-NDK Evaluation Kits

About PCN: PCN, a Modbus Organization member, designs, develops and manufactures critical reliable Ethernet Routing and Switching networking products and systems that elegantly interface to new and existing wiring types in order to provide simple installation with interconnectivity of different networking types. PCN products enable critical automation and control networks to remain private, reliable and secure, while instantly allowing deployment of Ethernet based systems. Headquartered in San Diego, CA; PCN designs, manufactures and ships all products from the United States.

For more information, please contact PCN at 858-434-0605 or visit our website at www.pcntechnology.com.

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