

IO-Controller Development Kit



■ BradCommunications™ PROFINET IO-Controller Development Kit allows easy integration of PROFINET into industrial control systems. The development kit allows quick integration of PROFINET into products including PLC couplers, interface cards, panel PCs and robot controllers, meaning manufacturers can bring their product to market more quickly.

The BradCommunications PROFINET IO-Controller Development Kit supports any hardware platform and is compatible with 32-bits operating systems (real-time or not) implementing multithread. The development kit supports Real-time (RT) Class-A communication. Also available, a powerful and easy-to-use IO-Supervisor software console to automatically detect and set up IO-Devices to generate configuration files in order to start the IO-controller Stack.

IO-Device Development Kit



■ BradCommunications™ PROFINET IO-Device Development Kit allows easy integration of PROFINET into industrial devices. Now manufacturers can develop and market PROFINET devices more quickly. The kit allows the designing of PROFINET IO-Device products such as I/O modules, PROFINET proxies, robots, field instruments, regulators, etc.

The BradCommunications PROFINET IO-Device Development Kit supports any hardware platform and is compatible with 32-bits operating systems (real-time or not) implementing multithread. The development kit supports Real-time (RT) Class-A communication.

IO-Controller Interface Cards



■ BradCommunications™ PCI/PCI Express IO-Controller Card provides high-speed deterministic communication between control/scada applications and IO-Devices. The card comes packaged with a complete Windows software suite (configuration console, diagnostic tools, library DLL, OPC server, etc). The configuration console includes advanced features to quickly setup and define the IO-Devices connected to the card. A sophisticated network detection mechanism is able to discover and build your network topology based on the integrated GSD device library. Acting as an IO-Supervisor, the console allows each device to set the name and IP address for each IO-Device.

The card is delivered ready-to-use for Windows 32-bits environments. OS driver kits are available free-of-charge for Ardenne, VxWorks, Linux, and other platforms.

IP67 Digital I/O Block



■ BradControl I/O Block for PROFINET packaged in a Classic 60mm housing provides a reliable world-class solution for on-machine applications where harsh environments such as water, weld sparks or vibration may be present. The network connection is provided through a built-in 2-port Ethernet switch using standard threaded M12 connectors or Ultra-Lock™ connection system. The Ultra-Lock™ connection system provides fast, simple and secure connections, reducing wiring costs through quicker setups and ensuring more uptime by eliminating connector-related intermittent signals that lead to production downtime. Available in 10 different configurations (including I/O user configurable version) the block can connect up to 16 devices to the PROFINET Real-Time Channel. LEDs, scrolling 4-digit display, and web server allow maintenance personnel to easily determine status of I/O, module and network.

IP67 Ethernet Switch



■ BradCommunications™ IP67 Ethernet Unmanaged/Managed Switches provide a reliable world-class product for harsh environments in a classic 60 mm package. It supports all standard 802.3 protocols and is compatible with PROFINET infrastructure. The switch has 8 ports 10/100 Mbps Ethernet with M12 D-coded connectors enhanced by the use of the Ultra-Lock™ connection system which allows reliable quick connect and disconnect of cordsets. The switch includes a redundant dual-DC power inputs and a built-in port for configuration of managed features including: RSTP for fault-tolerant loops, IGMP snooping, QoS, MAC based security, and SNMP agent.

IP30 Ethernet Switch



■ BradCommunications™ in-cabinet Ethernet Unmanaged/Managed Switches are available with many features to suit industrial network requirements. The switch characteristics include a small footprint in IP30 industrial package, redundant dual-DC power inputs, and DIN Rail or panel mount. In addition to the standard 802.3 protocols, the BradCommunications™ switches support auto-sensing, auto-polarity and auto-crossover. The DRL-300 Series of switches are equipped with SNMP, IGMP snooping, VLAN, QoS as well as network redundancy. They support fast and easy network setup via secure (https) web interface, Telnet / SSH (network), terminal (RS232) or SNMP (v1, v2, v3). All products are industrially rated and UL/CSA and CE certified.

IO-Device Embedded OEM Module

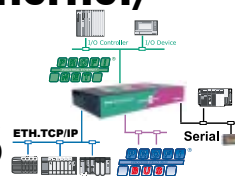


■ BradCommunications™ Embedded OEM Module is a family of on-board micro processor communication daughter card, supporting PROFINET IO-Device. It allows fast implementation (lower engineering and integration costs) in OEM electronic device such as PLCs , gateways, robot controllers, panel PCs...

All modules include common physical interface, form factor and electrical interface allowing quick and easy interchangeability.

BradCommunications™ Embedded OEM Module is supplied with common software interface via DP-RAM access and is independant of any Operating System. It includes USB adapter development kit and sample code (C-language) to ease integration by the OEM engineering team.

PROXY Ethernet/Serial/PROFIBUS



■ BradCommunications™ Gateway is available as a PROFINET Proxy Server. The PROFINET PROXY provides access to PROFIBUS devices via the PROFINET Real-Time channel. Along with this Real-Time connection it is also possible to exchange data provided through the integrated Ethernet and Serial ports. Therefore, already installed Ethernet devices provided by Rockwell, Schneider, Mitsubishi or Omron can be integrated easily over TCP/IP protocols like PCCC, Melsec, FINS, Modbus, Uni-TE, CAMP as well as Siemens Industrial Ethernet for S5 and S7. Configuration and diagnosis of the connected networks, data base and GSDML file configuration is supported by the integrated software tools of the BradCommunications Gateway.

M12 D-Coded Cordsets



■ BradConnectivity™ offering includes a full line of M12 Ethernet connectors, receptacles and cordsets. Products include straight and right-angle cordsets, front- and back-panel mount receptacles, and field-attachable connectors. A variety of cable offering is planned from shielded to unshielded, high flex and robotic, weld-slag immune and high temperature variants. Brad® also offer 8-pole variants in M12 for legacy applications or applications which require the additional pairs for monitoring Power over Ethernet. All cables are designed and built to meet the highest standards that you have come to expect from BradConnectivity™ products.

To contact us: www.woodhead.com

Reference Number: DW2008244

Date Published: June 2008