

Scanner Development Kit



■ BradCommunications™ EtherNet/IP Scanner Development Kit allows easy integration of EtherNet/IP into industrial control systems. The development kit allows quick integration of EtherNet/IP into products including PLC couplers, interface cards, panel PCs and robot controllers, meaning manufacturers can bring their product to market more quickly. The Stack performs all communication functions, implicit and explicit messaging. The BradCommunications EtherNet/IP Scanner Development Kit supports any hardware platform and is compatible with 32-bits operating systems (real-time or not) implementing multithread.

Adapter Development Kit

■ BradCommunications™ EtherNet/IP Adapter Development Kit allows easy integration of EtherNet/IP into industrial devices. Now manufacturers can develop and market EtherNet/IP devices more quickly. The kit allows the designing of EtherNet/IP Adapter products such as I/O modules, robots controller, field instruments, regulators, etc. The BradCommunications EtherNet/IP Adapter Development Kit supports any hardware platform and is compatible with 32-bits operating systems (real-time or not) implementing multithread.

Safety Development Kit



■ BradCommunications™ EtherNet/IP Safety Development Kit allows easy integration of CIP safety into industrial devices. Now manufacturers can develop and market EtherNet/IP devices with embedded safety features more quickly. The kit allows the designing of EtherNet/IP safety products such as I/O modules, PLCs, robots controller, field instruments, regulators, etc. The BradCommunications EtherNet/IP Safety Development Kit includes Interface specification for high integrity and black channel environments, safety manual with requirements to meet safety measures and all documentation required by certification bodies (TÜV, ODVA).

Scanner & Adapter Interface Cards



■ BradCommunications™ PCI/PCI Express Scanner Adapter Card provides high-speed deterministic communication between control/scada applications and adapters. 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 adapter devices connected to the card. A sophisticated network detection mechanism is able to discover and build your network topology based on the integrated EDS device library. The console brings easy-to-use features about scanner and adapter configuration, and includes an advanced online configuration software. 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 EtherNet/IP 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 EtherNet/IP 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 EtherNet/IP 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.

Adapter Embedded OEM Module



■ BradCommunications™ Embedded OEM Module is a family of on-board micro processor communication daughter card, supporting EtherNet/IP Adapter. 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.

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.

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