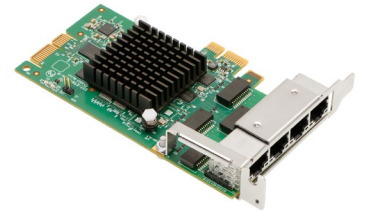


EtherNet/IP Network Interface Cards

EtherNet/IP Network Interface Cards (NICs) streamline factory automation by reducing hardware and cabling requirements while optimizing network performance and efficiency. They deliver reliable real-time communication, versatile configuration and diagnostic capabilities, robust security and seamless integration for complex EtherNet/IP networks.



ADVANTAGES AND FEATURES

Helps reduce network downtime

A robust design featuring built-in dual-port Ethernet switches and a DLR supervisor mode enables rapid fault detection and recovery. This safeguards critical operations and permits flexible deployment in star, line or ring topologies.

Supports large-scale industrial networks

Supporting up to 60 connections per channel (120 in single-channel mode) and handling up to 12,000 packets per second, the NIC reduces network congestion and supports easy expansion.

Simplifies network architecture

The NIC combines I/O scanner and adapter functions into a single card, reducing the need for additional hardware and leading to lower costs and easier maintenance.

Network Protocol	EtherNet/IP
Interface	PCIe half-length; half- or full-height bracket
Certifications	RoHS, REACH, cUL, CE, KCC
ODVA Conformance	Yes
Functionality	Scanner/adapter
Device Level Ring Support	DLR supervisor, Beacon DLR node
Operating Temperatures	0 to +60°C

Streamlines configuration, diagnostic and maintenance tasks

A product configuration tool (PCT) and address conflict detection (ACD) provide user-friendly troubleshooting and configuration capabilities.

Offers system design flexibility

The low-profile, half-length PCI Express (PCIe) interface ensures compatibility with a wide range of enclosures, saving valuable panel or rack space.

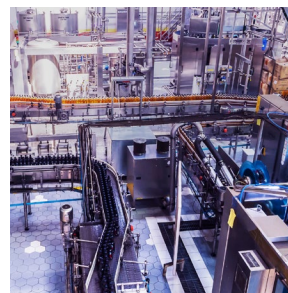
MARKETS AND APPLICATIONS

Industrial Automation

Agricultural systems
Automotive production lines
CNC machine manufacturers
Food and beverage lines
Machine builders
Material handling solution manufacturers
Material handling systems
Mining equipment
Pulp and paper manufacturing equipment
Robot cell control systems
Semiconductors
Substation control devices
Water and wastewater treatment plants



Material Handling Systems



Food and Beverage Lines



Robot Cell Control Systems

EtherNet/IP Network Interface Cards

SPECIFICATIONS

Reference Information

Packaging: Box
Designed in: Millimeters
RoHS: Yes
REACH: Yes
Halogen Free: Yes
ODVA Conformance: Yes
PCIe Compliance: PCIe Gen 1.0a
Certifications: cUL, CE, KCC

Mechanical

Interface: PCIe half-length, half- or full-height bracket
Supported PCIe Slots: x1, x4, x8, x16

Physical

Humidity: 5 to 95% non-condensing
Operating Temperatures: 0 to +60°C
Storage Temperatures: -25 to +85°C

Features

Configurations: Single and dual channel
Functionality: Scanner/adaptor
Cyclic Connections (max.):
 60 per channel in two-channel mode
 120 per channel in single-channel mode
Packets per Second: Up to 12,000
I/O Data Size (max.): 16kB
Device Level Ring Support: DLR supervisor,
 Beacon DLR node
Supported Operating Systems: Windows, Linux
Supplied Software: Hardware drivers, configuration
 and diagnostic tools, development libraries,
 interface source code (CAPIs)