

Industrial CONTROLS

AutoMax™ PC Link Interface Module 57C445

The AutoMax PC Link Interface Module allows an IBM® computer to function as a drop on the AutoMax DCS-NET and Remote I/O networks. These network connections allow a personal computer to directly exchange data with an AutoMax control system. This high-speed link operates at the AutoMax network transmission speed of 1.75 megabaud, avoiding the bottleneck of RS232 serial connections.

The AutoMax PC Link Interface Module provides an ideal real-time connection between an AutoMax DCS-controlled process and an IBM PC compatible personal computer.

Typical applications include:

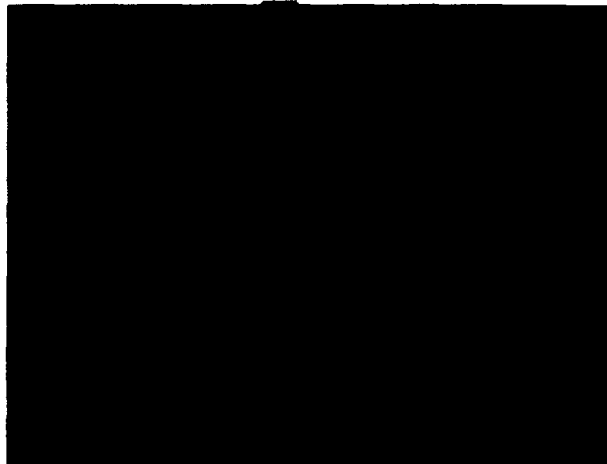
- Data collection
- Statistical process control (SPC/SQC)
- Process monitoring
- Man/machine interface
- Diagnostics
- System start-up and commissioning

The AutoMax PC Link Interface Module is a half-slot (XT) card which plugs directly into the IBM PC XT/AT bus, and provides a direct connection, via rear-mounted coaxial (BNC) connectors to the AutoMax DCS network. No other system connections are required. A maximum of two modules may be used concurrently in the same computer.

Functional Description

The AutoMax PC Link Interface module is a microprocessor-based module which is designed to be installed into an IBM XT® or AT® computer. Upon the installation of appropriate interface software, the computer will function as a drop on either the AutoMax DCS-NET or Remote I/O communications networks.

Upon the installation of Network Communication Software (provided) this module becomes functionally similar to the Network Communications Module (M/N 57C404A). In this mode, the AutoMax PC Link Interface Module will function as a valid drop on the network, except as the Master (drop 0), and can be assigned any valid drop depth.



Downloading the Remote I/O Software (provided) to this module will configure it for operation on the AutoMax Remote I/O Network. Once loaded with Remote I/O Software, this module will function like an AutoMax Remote I/O Communications Module. It provides the ability to monitor all drops on the Remote I/O Network, access the output data sent from the master to the slave drops, as well as monitor the data sent to the master by each slave drop.

Software drivers are available to connect the PC link module to several popular operator interface software packages in the DCS-NET configuration. Reliance will provide a sample software driver and technical assistance to software companies who wish to write drivers for the PC link.

Technical Specifications

Ambient Conditions

Storage Temperature	:	40°-85°C
Operating Temperature	:	5°-50°C
Humidity	:	5-90% non-condensing

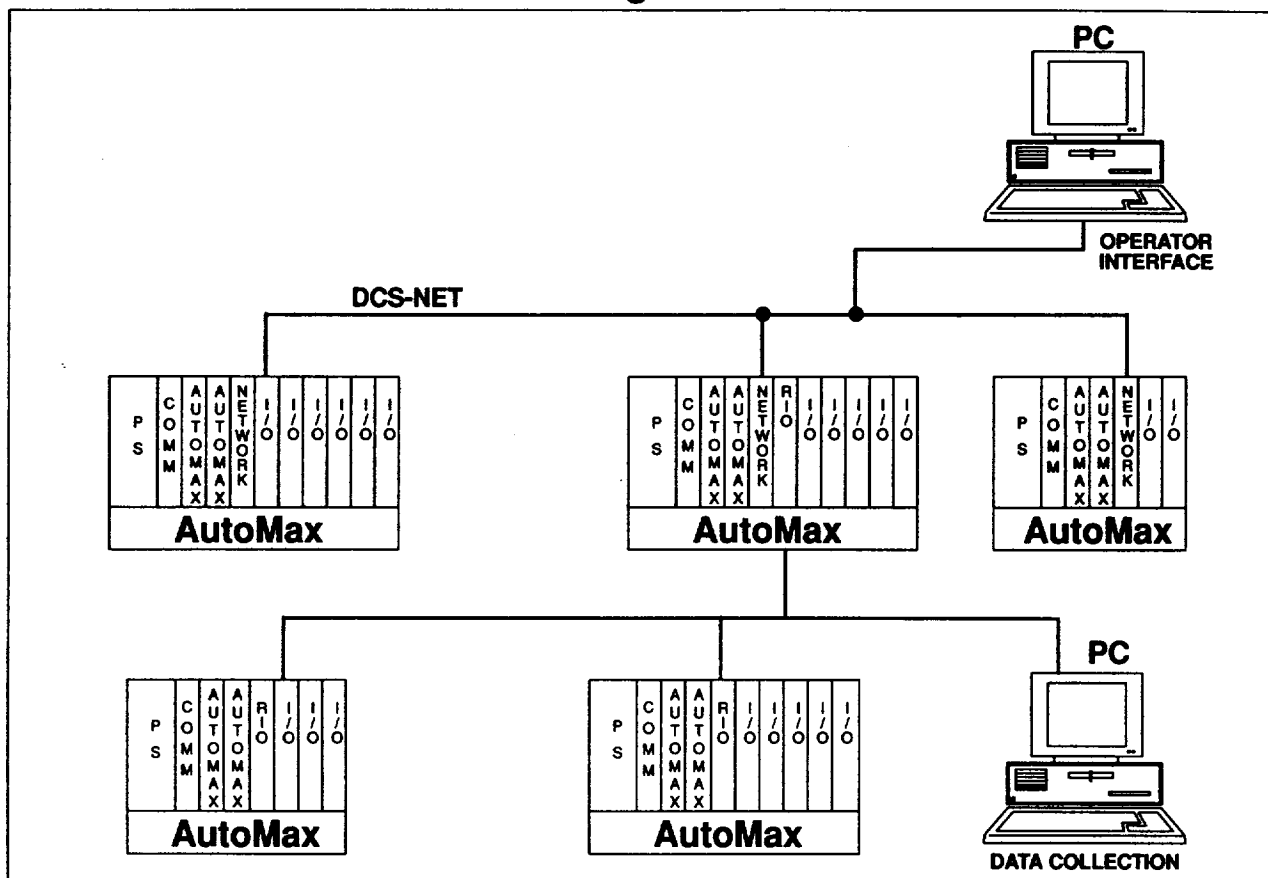
Communications

Remote I/O	:	Master/slave, 1.75 megabaud, 3000 ft total per master communications module, 15 modules per processor rack, and 7 remote racks per module.
DCS-Network	:	Master/slave, 1.75 megabaud, 3000 ft total network, 56 nodes (1 master, 55 slaves).

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AutoMax PC Link Network Configuration



Need more information?

Let the broad capabilities of Reliance Electric Industrial Controls work for you. For more information, contact your authorized Reliance Electric sales representative or distributor. Or, call 1 800 241-2886. FAX 1 216 266-6081. (Canada: 1 416-567-0100.)

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