IC220PBI002

VersaPoint PROFIBUS-DP Network Interface Module

Complete product-page dossier for buyer review, technical screening and quotation preparation.

01 Product overview

IC220PBI002 is the PROFIBUS-DP station head that maps a configured sequence of VersaPoint local modules into cyclic network data.

PROFIBUS-to-local-bus gateway

The interface converts network telegrams into deterministic VersaPoint module data.

Expandable station head

Up to sixty-three local modules are managed within the documented power and address boundaries.

Configuration-order control

Physical module order must match the PROFIBUS master hardware configuration.

IC220PBI002 is the PROFIBUS-DP network interface for a GE VersaPoint I/O station. It provides the fieldbus connection and local-bus coordination but no onboard digital input or output channels.

The station can include up to 63 local modules within current and configuration limits. Data rate, station address, module order, parameterization and diagnostic mapping are controlled by the PROFIBUS master project.

Before replacement, save the master configuration and record station address, bus order, power segmentation and module sequence. After fitting, verify cyclic exchange, local-bus recognition and representative I/O.

02 Buyer identity

Manufacturer part number	IC220PBI002
Product type	VersaPoint PROFIBUS-DP Network Interface Module
System / platform	GE VersaPoint distributed I/O
Lifecycle statement	Legacy installed-base VersaPoint network interface

03 Published technical data

Network protocol	PROFIBUS-DP
Network data rate	Up to 12 Mbit/s
Nominal supply	24 V DC
Supply range	19.2 to 30 V DC

Supported local modules	Up to 63
LocalBus UA current	500 mA maximum
Maximum power current	8 A
Digital I/O on interface	None

Serial communications	Supported
Firmware field upgrade	Not supported

04 Applications / compatibility

PROFIBUS remote I/O head

Connect a VersaPoint station to a PROFIBUS-DP master.

Modular field I/O expansion

Coordinate up to sixty-three approved local modules.

Machine and process I/O

Exchange cyclic field data and diagnostics.

Legacy network maintenance

Restore address, module order and bus termination.

05 Product precautions

Export the master configuration

Retain station address and module sequence.

Record both power segments

Map logic and I/O supply boundaries.

Preserve bus order

Label incoming and outgoing PROFIBUS connections.

Check local-bus current

Calculate the installed module load.

Do not expect onboard I/O

The interface itself has no digital channels.

Verify cyclic exchange

Check diagnostics and representative modules.

06 Lifecycle, available unit and technical notes

Lifecycle Status

Legacy installed-base VersaPoint network interface. Recreate the exact station address and physical module order before the PROFIBUS master is allowed to exchange process data.

Available Unit Details

Offered reference: GE IC220PBI002. Compare the IC220PBI002 marking, PROFIBUS address, connector or base, local module order and power-segment wiring. Confirm the network interface and only the base, terminal or connector items identified in the quotation in the quotation.

Technical notes

Station-order record: Photograph and export the complete left-to-right VersaPoint module sequence before separation. Power-segment review: Check interface supply, local-bus current and downstream segmentation against the installed load. Master-to-slice proof: Verify station recognition, configuration match, local-bus health and representative data from each module group.

07 Engineering FAQ

How many local modules can IC220PBI002 manage?	The documented station limit is up to 63 modules, subject to current consumption and configuration limits.
Which power calculation is required for IC220PBI002?	Check the 24 V supply, total logic current, 500 mA local-bus UA boundary and the 8 A maximum power-current path.
Why must physical module order match the project for IC220PBI002?	The PROFIBUS master maps process data and parameters according to the configured sequence.
Does IC220PBI002 provide digital inputs or outputs by itself?	No. Its role is network and local-bus interfacing; I/O channels come from attached modules.
How should the station address of IC220PBI002 be handled?	Record the existing address, set it before commissioning and ensure it is unique on the PROFIBUS segment.
What bus checks are needed after replacing IC220PBI002?	Verify connector seating, shield bonding, termination at segment ends and the negotiated data rate.
What diagnostic confirms the local bus of IC220PBI002?	All configured modules should be recognized in order without missing-module or parameterization faults.
Which PROFIBUS and local-bus states confirm the station headed by IC220PBI002?	Require the correct station address, configuration match, healthy local bus and verified cyclic data from representative modules in every power segment.

08 Quotation and handover

Match the complete marking	Match IC220PBI002, revision and visible labels.
Review the reference	Send the complete IC220PBI002 marking, label photos and required quantity.
Confirm the offer	Review the offered revision, condition, included items and documents for IC220PBI002.
Arrange dispatch	Confirm quantity, dispatch date and delivery details for IC220PBI002 in the quotation.

09 Separate verified listings

Emerson PR6423/10R-010 CON021
Eight-Millimetre Eddy-Current Sensor and Converter Assembly; separate listing, not an automatic substitute.

HIMA Z7127
Eight-Channel Analog Input Front Cable Plug; separate listing, not an automatic substitute.

Request current photographs and written quotation details from Apter Power.
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Quote the complete reference: IC220PBI002