IC220PBI002

VersaPoint PROFIBUS-DP Network Interface Module

Engineering reference for system fit, interface boundaries and exact-model technical decisions.

01 System position

Installed role VersaPoint PROFIBUS-DP Network Interface Module	**Host platform** GE VersaPoint distributed I/O
Evidence source GE VersaPoint PROFIBUS Network Interface Unit user manual GFK-1911	**Identity boundary** Use the complete marking and explicitly documented family relationships only.

02 Functional path

Field / companion side	Installed sensor, load, network, terminal or actuator
Exact product role	IC220PBI002 - VersaPoint PROFIBUS-DP Network Interface Module
Host-system side	GE VersaPoint distributed I/O
Decision output	Verified interface, configuration and acceptance boundary

03 Selection-critical relationships

Network protocol	Match the project communication settings to PROFIBUS-DP before enabling exchange.
Network data rate	Match the project communication settings to Up to 12 Mbit/s before enabling exchange.
Nominal supply	Use 24 V DC only within the documented nominal supply boundary.
Supply range	Use 19.2 to 30 V DC only within the documented supply range boundary.
Supported local modules	Map every configured path; the documented reference is Up to 63.
LocalBus UA current	Design the connected circuit around 500 mA maximum; verify at the installed terminals.

04 Engineering data map

Electrical / signal domain

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

Interface / processing domain

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

Environmental / configuration domain

Serial communications	Supported
Firmware field upgrade	Not supported

05 Diagnostic interpretation matrix

Observed issue involving Network protocol	Compare the installed condition with PROFIBUS-DP; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Network data rate	Compare the installed condition with Up to 12 Mbit/s; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Nominal supply	Compare the installed condition with 24 V DC; isolate field, interface and configuration causes before replacing hardware.

Observed issue involving Supply range	Compare the installed condition with 19.2 to 30 V DC; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Supported local modules	Compare the installed condition with Up to 63; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving LocalBus UA current	Compare the installed condition with 500 mA maximum; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Maximum power current	Compare the installed condition with 8 A; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Digital I/O on interface	Compare the installed condition with None; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Serial communications	Compare the installed condition with Supported; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Firmware field upgrade	Compare the installed condition with Not supported; isolate field, interface and configuration causes before replacing hardware.

06 Engineering evidence record

Complete marking	IC220PBI002 plus visible revision and label details
Installed relationship	Compare the IC220PBI002 marking, PROFIBUS address, connector or base, local module order and power-segment wiring.
Companion boundary	Recreate the exact station address and physical module order before the PROFIBUS master is allowed to exchange process data.
Configuration authority	Approved project backup, drawing or validated application record
Acceptance evidence	Recorded readings, diagnostic state and controlled functional result

07 Source and applicability ledger

Manufacturer reference	GE VersaPoint PROFIBUS Network Interface Unit user manual GFK-1911
Exact-model scope	IC220PBI002
System scope	GE VersaPoint distributed I/O
Use limit	Family values apply only where the manufacturer relationship is explicit; verify the installed execution.

08 Separate verified listings

GE IC676PBI008	Eight-Point IP67 PROFIBUS Digital Input Block; separate listing, not an automatic substitute.
GE IS200TBTCH1CBB	Thermocouple Input Terminal Board; separate listing, not an automatic substitute.
GE IS200TRLYH1BED IS200TRLYH1B	Relay Output Terminal Board; separate listing, not an automatic substitute.
GE IS200VAICH1DAA IS200VAICH1D	Analog Input and Output VME Board; separate listing, not an automatic substitute.
GE IS200VCRCH1BBB	Discrete Input and Relay Output VME Board; separate listing, not an automatic substitute.
GE IS200VSVOH1BDC IS200VSVOH1B	Servo Control VME Board; separate listing, not an automatic substitute.
GE IS200VVIBH1CAB IS200VVIBH1C	Vibration Monitoring VME Board; separate listing, not an automatic substitute.
GE IS215VCMIH2CC	VME Communications Interface Board; separate listing, not an automatic substitute.

Discuss system fit and exact marking with Apter Power.
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Quote the complete reference: IC220PBI002