

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Selected catalog page; not a complete installation or service manual

PRODUCT BRAND

GE Fanuc Intelligent Platforms

PRODUCT MODEL

8102-HO-IP

8000 Process I/O: 8-channel analog output with HART, 4-20 mA. See the exact order-code row on the next page.

OFFICIAL SOURCE

8000 Process I/O brochure, original page 1 (2008 publication)

[View the original catalog page in this file](#)

AMIKON PRODUCT SUPPORT

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Amikon reference excerpt. Series-level features and other order codes are not specifications for 8102-HO-IP.

GE Fanuc Intelligent Platforms



8000 Process I/O

8000 Process I/O is the latest addition to GE Fanuc Intelligent Platforms' line up of I/O products. Designed to meet the rugged environmental specifications required in process environments, 8000 Process I/O helps you keep your critical operations running allowing you to improve your operational performance and productivity for a sustainable advantage.

Environmental & Hazardous Area Operation

8000 Process I/O can go where other I/O cannot. It can be field mounted and subjected to the following:

- -40°C to +70°C operating range
- ISA Level G3 corrosion
- 30G shocks and 5G vibration
- Operation in Class I, Division 2 and Zone 2 hazardous areas with field wiring extending into Division 1 and Zone 1/0 areas

HART Support

8000 Process I/O can pass HART information from smart field devices to controllers or a separate PC workstation running asset management software applications to remotely manage smart instrument configuration and calibration.

Network Redundancy

Network redundancy helps assure stable and consistent communications.

- The Ethernet Bus Interface Modules (BIM) have two high speed Ethernet ports that use Fault Tolerant Ethernet to provide redundant communications
- Each port can be connected to an independent LAN which is continuously monitored for its integrity. If the primary port detects a network failure, traffic is immediately switched to the other LAN to maintain full communications
- The Profibus BIM supports full LAN redundancy

Ordering Information

Bus Interface Modules & Carriers

Part Number	Description	Part Number	Description
8410-NS-PS	Node services power supply monitor (Ethernet BIM)	8521-EB-MT	Ethernet BIM
8505-BI-MB	Modbus BIM	8701-CA-BI	MultiBIM Carrier
8507-BI-DP	Profibus Version of the MultiBIM	8718-CA-NS	BIM only carrier
8510-MO-NS	Configuration Memory Module (Modbus & Profibus BIMs)	8750-CA-NS	Carrier, simplex or redundant, power monitoring

8000 General Purpose I/O

Part Number	Description	Part Number	Description
8101-HI-TX	8-channel AI, 4-20mA with HART	8116-DO-AC	8-channel DO, 20-250Vac non-isolated, module powered
8102-HO-IP	8-channel AO, with HART, 4-20mA	8117-DO-DC	8-channel DO, 2-60Vdc isolated, unpowered
8103-AI-TX	8-channel AI, 4-20mA	8118-DO-AC	8-channel DO, 20-250Vac isolated, unpowered
8104-AO-IP	8-channel AO, 4-20mA	8119-VI-05	8-channel Voltage Input, 1-5Vdc
8105-TI-TC	4-channel THC/mV input	8121-DI-DC	16-channel DI, 24Vdc non-isolated, module powered
8106-TI-RT	4-channel RTD input	8122-DI-DC	16-channel DI, 24Vdc isolated, sinking
8109-DI-DC	8-channel DI, 24Vdc isolated, sinking	8123-PI-QU	2-channel Pulse Quadrature Input
8110-DI-DC	8-channel DI, 24Vdc non-isolated, module powered	8125-DI-DC	32-channel DI, non-isolated, module-powered
8111-DI-AC	8-channel DI, 115Vac isolated, sinking	8127-DI-SE	32-channel SOE module
8112-DI-AC	8-channel DI, 115Vac non-isolated, module powered	8129-IO-DC	8-channel supervised DI/DO
8113-DI-AC	8-channel DI, 230Vac isolated, sinking	8132-AI-UN	8-channel Isolated Universal AI
8114-DI-AC	8-channel DI, 230Vac non-isolated, module powered	8133-HI-TX	8-channel supervised AI with HART
8115-DO-DC	8-channel DO, 2-60Vdc non-isolated, module powered		

