

# GE Intelligent Platforms



## 8000 Process I/O

8000 Process I/O is the latest addition to GE 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/I/O 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		
8115-DO-DC	8-channel DO, 2-60Vdc non-isolated, module powered		



## Ordering Information (Continued)

### Field Terminals and Accessories

Part Number	Description	Part Number	Description
8601-FT-NI	Field terminal, non-incendive (Div 2)	8610-FT-NA	Field terminal, non-arcing (Div 2)
8602-FT-ST	Field terminal, standard	8611-FT-FU	Field terminal, non-arcing, fused (Div 2)
8603-FT-FU	Field terminal, non-incendive, fused (Div 2)	8615-FT-4W	Field terminal, 4wire (current sinking)
8604-FT-FU	Field terminal, fused	8617-FT-NI	Field Terminal, non-incendive, for 16 ch DI
8605-FT-TC	Field terminal, thermocouple	8618-FT-MT	16-pin Mass Termination Assembly (Div 2)
8606-FT-RT	Field terminal, RTD	8619-FT-MT	44-pin Mass Termination Assembly (Div 2)
8607-FT-TC	Field terminal, 8-channel with T/C	8650-FT-PX	32-channel PX/Switch FTA for 8125/7
8608-FT-NI	Field terminal, 8-channel, non-incendive		

### 8000 I/O Carriers

Part Number	Description	Part Number	Description
8707-CA-08	8 module carrier	8710-CA-04	4 module carrier
8709-CA-08	8 module carrier, 64-address system		

### 8000 I/O Carrier Cables

Part Number	Description	Part Number	Description
8020-CE-RH	Carrier extender, right hand	8080-FC-10	16-pin cable for 8618 (1m)
8021-CE-LH	Carrier extender, left hand	8081-FC-20	16-pin cable for 8618 (2m)
8041-CC-35	Carrier extension cable, 0.35m	8082-FC-30	16-pin cable for 8618 (3m)
8042-CC-85	Carrier extension cable, 0.85m	8085-FC-10	20 + 24 pin cables for 8619 (1m)
8043-CC-12	Carrier extension cable, 1.2m	8086-FC-20	20 + 24 pin cables for 8619 (2m)
8044-CC-20	Carrier extension cable, 2m	8087-FC-30	20 + 24 pin cables for 8619 (3m)

### 8000 I/O Power Supplies and Components

Part Number	Description	Part Number	Description
8413-FK-DN	8913/4 PS DIN Rail Mounting Kit	8914-PS-AC	10A 24VDC A/C Input P/S
8414-FK-SU	8913/4 PS Surface Mounting Kit	BQ2320-9R-EX	24 to 12VDC Voltage Converter
8913-PS-AC	5A 12VDC & 5A 24VDC A/C Input P/S		

### 8000 Intrinsically Safe I/O

Part Number	Description	Part Number	Description
8201-HI-IS	8-channel IS AI, 4-20mA with HART	8215-DO-IS	4-channel IS DO, solenoid driver IIC gas groups
8202-HO-IS	8-channel IS AO, 4-20 mA with HART	8220-DI-IS	8/16-channel IS DI, switch/promiximity detector
8204-AO-IS	8-channel IS AO, 4-20 mA	8223-PI-IS	2-channel IS Pulse Counter, 1 ch Quadrature w/ DI/DO (MB only)
8205-TI-IS	8-channel IS THC/mV input	8230-AI-IS	8-channel IS AI, 0-10V, pot., 0-20mA/4-20mA, sinking
8206-TI-IS	8-channel IS RTD input		

### IS Field Terminals and Accessories

Part Number	Description	Part Number	Description
8621-FT-IS	IS Field terminal, standard	8624-FT-IS	IS Field terminal with loop-disconnect for 8-channel DI only
8622-FT-IS	IS Field terminal, loop-disconnect (not for 8 channel DI)	8625-FT-IS	IS Field terminal, THC
8623-FT-IS	IS Field terminal for 8220-DI-IS 16 ch DI & V/Pot inputs	8626-FT-IS	IS Field terminal, RTD

### 8000 IS Carrier / Cables

Part Number	Description	Part Number	Description
8030-CE-RH	IS Carrier extender, right hand	8014-CC-20	IS extension cable, 2.0m
8031-CE-LH	IS Carrier extender, left hand	8016-CC-35	IS Power extension cable, 0.35m
8011-CC-35	IS Signal extension cable, 0.35m	8017-CC-85	IS Power extension cable, 0.85m
8012-CC-85	IS Signal extension cable, 0.85m	8018-CC-12	IS Power extension cable, 1.2m
8013-CC-12	IS Signal extension cable, 1.2m	8019-CC-20	IS Power extension cable, 2.0m

### 8000 IS Power Supplies and Accessories

Part Number	Description	Part Number	Description
8724-CA-PS	IS Module Power Supply Carrier	8920-PS-DC	IS Module DC Power Supply (8 modules)
8725-CA-RB	Railbus Isolator Carrier with Power Fail Monitor	8922-RB-IS	Railbus Signal Isolator

### GE Intelligent Platforms Information Center

Headquarters:  
1 800 GE 32682  
1 800 322 2616  
1 434 978 5100

Global Regional phone numbers  
Are available on our website  
[www.ge-ip.com](http://www.ge-ip.com)

### Additional Resources

For more information, please visit the  
GE Intelligent Platforms website at:

[www.ge-ip.com](http://www.ge-ip.com)



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