



120 Watts,
24V Booster



IGS-402S-4PH24

4x 10/100/1000Base-T and 2x 100/1000Base-X SFP with 4x PoE+

IGS-401F-4PH24

4x 10/100/1000Base-T and 1x 1000Base-X Fiber with 4x PoE+

IGS-402F-4PH24

4x 10/100/1000Base-T and 2x 1000Base-X Fiber with 4x PoE+

IGS-600-4PH24

6x 10/100/1000Base-T with 4x PoE+

The series models are 5~6 Ports unmanaged industrial grade Gigabit PoE switches with 4x 10/100/1000Base-T PoE that provide stable and reliable Ethernet transmission. Housed in rugged DIN rail or wall mountable enclosures, these switches are designed for harsh environments, such as industrial networking, security automation applications, IP Surveillance, intelligent transportation systems (ITS) and are also suitable for many military and utility market applications where environmental conditions exceed commercial product specifications. Standard operating temperature range models (-10 to 60°C) and wide operating temperature range models (-40 to 75°C) fulfill the special needs of industrial automation applications.

Features

- Provides 4-port IEEE802.3at/af PoE output (30W/Per Port)
- Maximum PoE output power budget 120W
- 24/48VDC (20~57VDC) redundant dual input power, and built-in 94~97% Very High Efficiency power booster
- Regulated PoE output voltage at 55VDC
- Wide operating temperature -40 ~ 75°C ("E" model)
- UL60950-1, CE, FCC, EN50121-4 certification
- Industrial Grade EMS, EMI, EN61000-6-2, EN61000-6-4 certified
- IP30 rugged metal housing and fanless

Specifications

IEEE Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Ethernet IEEE 802.3x Flow Control and Back Pressure IEEE 802.3at, IEEE802.3af
Switch Architecture	Back-plane (Switching Fabric): 10Gbps (IGS-401F- 4PH24) 12Gbps (IGS-402S- 4PH24, IGS-402F- 4PH24, IGS-600-4PH24) Back-plane (Switching Fabric): 10Gbps (IGS-401F- 4PH24) 12Gbps (IGS-402S- 4PH24, IGS-402F- 4PH24, IGS-600-4PH24)
Data Processing	Store and Forward
Flow Control	IEEE 802.3x flow control, back pressure flow control
Provides Broadcast Storm Protection	Present, Enable / Disable set by DIP SW
Jumbo Frame	10K Bytes
MAC Address Table	8K
Packet Buffer Size	1Mbits
PoE standard	IEEE 802.3at/af
PoE RJ-45 pin Assignment	RJ-45 port # 1~# 4 support IEEE 802.3at/af End-Span, Alternative A mode Positive (V+): RJ-45 pin 1, 2. Negative (V-): RJ-45 pin 3, 6. Data (1, 2, 3, 6, 4, 5, 7, 8)
Network Connector	4 x RJ-45 (IGS-402S-4PH24, IGS-401F-4PH24, IGS-402F-4PH24) 6 x RJ-45 (IGS-600-4PH24) 10/100/1000Base-T auto negotiation speed, Auto MDI/MDI-X function, Full/Half duplex 2x 100/1000Base-X SFP (IGS-402S-4PH24) 1 or 2x1000Base-X Fiber connector: SC Multi Mode or Single Mode (IGS-401F-4PH24, IGS-402F-4PH24)
Network Cable	UTP/STP above Cat. 5e cable EIA/TIA-568 100-ohm (100m) Fiber Cable (Multi-mode): 50/125um, 62.5/125um Fiber Cable (Single-mode): 9/125um
Protocols	CSMA/CD

LED	Per unit: Power 1 (Green), Power 2 (Green), Fault (Amber) Per RJ-45 port : Link/Active (Green), Speed 10 (OFF), 100 (Green), 1000 (Yellow) Fiber Per port: Link/Active (Green) PoE Port LED : • Active : ON • Inactive : OFF • Fault : Flash (Over Load, Short Circuit, Port failed at Startup)															
DIP SW	DIP 1 ON : Disable power failure alarm OFF : Enable power failure alarm DIP 2 ON : Disables broadcast storm protection OFF : Enable broadcast storm protection DIP 3 ON : Fiber 2 for 100Base-FX SFP OFF : Fiber 2 for Gigabit SFP (Only for IGS-402S-4PH24) DIP 4 ON : Fiber 1 for 100Base-FX SFP OFF : Fiber 1 for Gigabit SFP (Only for IGS-402S-4PH24)															
Reserve Polarity Protection	Present															
Overload Current Protection	Present															
Power Supply	Redundant Dual DC 24/48V (20~57VDC) Input power (Removable Terminal Block)															
Power Consumption	<table border="1"> <thead> <tr> <th>Input Voltage</th> <th>IGS-402S-4PH24</th> <th>IGS-401F-4PH24</th> <th>IGS-402F-4PH24</th> <th>IGS-600-4PH24</th> </tr> </thead> <tbody> <tr> <td>24VDC</td> <td>143.3W</td> <td>142.1W</td> <td>143.2W</td> <td>142.9W</td> </tr> <tr> <td>48VDC</td> <td>138.2W</td> <td>137.4W</td> <td>138.2W</td> <td>139.6W</td> </tr> </tbody> </table>	Input Voltage	IGS-402S-4PH24	IGS-401F-4PH24	IGS-402F-4PH24	IGS-600-4PH24	24VDC	143.3W	142.1W	143.2W	142.9W	48VDC	138.2W	137.4W	138.2W	139.6W
Input Voltage	IGS-402S-4PH24	IGS-401F-4PH24	IGS-402F-4PH24	IGS-600-4PH24												
24VDC	143.3W	142.1W	143.2W	142.9W												
48VDC	138.2W	137.4W	138.2W	139.6W												
PoE Power Output	Maximum PoE Output power budget 120W (30W/Per Port)															
Alarm Relay Contact	Relay outputs with current carrying capacity of 1A @24VDC															
Removable Terminal Block	Provide 2 Redundant power, Alarm relay contact, 6 Pin															
Operating Temperature	-10 ~ 60°C (IGS-402S-4PH24, IGS-401F-4PH24, IGS-402F-4PH24, IGS-600-4PH24) -40 ~ 75°C (IGS-402S-4PHE24, IGS-401F-4PHE24, IGS-402F-4PHE24, IGS-600-4PHE24)															
Operating Humidity	5% to 95% (Non-condensing)															

