

## Industrial 5~6 Port POE Gigabit Switch with SFP models



### Benefits

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| <ul style="list-style-type: none"> <li>■ System Interface/Performance                     <ul style="list-style-type: none"> <li>➢ RJ-45 port support Auto MDI/MDI-X Function</li> <li>➢ PoE+ 802.3at 30 watt per port ( up to 36 Max)</li> <li>➢ Store-and-Forward Switching Architecture</li> <li>➢ Back-plane (Switching Fabric): 12G</li> <li>➢ Jumbo Frame: 9KB</li> <li>➢ 1Mbits Memory Buffer</li> <li>➢ 1K MAC address table</li> <li>➢ Support Wide Operating Temperature (-40°C ~75 °C)</li> </ul> </li> <li>■ Power Supply                     <ul style="list-style-type: none"> <li>➢ Redundant Dual DC 44-56V Power Input</li> <li>➢ Booster Model –B: Redundant Dual DC 12V-56V Power Input</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>■ Case/Installation                     <ul style="list-style-type: none"> <li>➢ IP-30 Protection</li> <li>➢ DIN Rail and Wall Mount Design</li> </ul> </li> <li>■ Reverse Polarity Protection: Present</li> <li>■ Overload Current Protection</li> </ul> |
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### Standard Compliance

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 IEEE802.3x Flow Control and Back Pressure, IEEE802.3af for POE and IEEE802.3at for POE+
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### Hardware Specification

Switch Architecture	Back-plane (Switching Fabric): 12G
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port
Memory Buffer	1 M bits
MAC Address	1K
Jumbo Frame	9K
Connector	By Models 10/100/1000Base-T auto negotiation, Giga POE+ 802.3at PSE Port Auto MDI/MDI-X function, full/half duplex SFP: Dual Speed 100/1000M BaseX
DIP Switch	Depend by model with associated ports DIP 1: OFF: Port 5 SFP (DEFAULT) ON: Port 5 TX DIP 2: OFF: SFP 1000M (DEFAULT) ON: SFP 100M
POE Power	IEEE802.3af/at POE power per port 30watts. Maximum 36Watts Maximum total power 126Watts
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
Protocol	CSMA/CD

LED	PW1(Power 1) Green, PW2(Power 2) Green, ERR( Fault ) Amber, TX/RJ-45 port: LNK (Link/Active) Green, SPD(Speed) 10/100(OFF) ,1000 (Green) SFP Fiber Per port: Link (Green) Active Flash
Alarm Relay Contact	Relay outputs with current carrying capacity of 1 A @24VDC, Relay in short circuit mode when 2 powers are connected. in open circuit mode when only one power supply is connected
Removable Terminal Block	Provide 2 Redundant power , Alarm relay contact ,6 Pin Wire range: 0.34mm <sup>2</sup> to 2.5mm <sup>2</sup> Solid wire (AWG):12-24/14-22 Stranded wire(AWG): 12-24/14-22 Torque:5lb-In/0.5Nm/0.56Nm Wire Strip length: 7-8mm
Overload current protection & Reverse polarity protection	Present
Power Supply	Standard Model : Redundant Dual DC 44-56V Power Input Booster Model –B: Redundant Dual DC 12V-56V Power Input
Power Consumption	5.76W @48 VDC full load, Without POE
MTBF	510K hrs ( MIL-HDBK-217F) at 25°C
Operating Humidity	5%~95% (Non-condensing)
Operating Temperature	Wide Operating Temperature: -40°C ~75°C
Storage Temperature	-40°C ~85°C
Case Dimension	Metal case. IP-30, 43mm (W) x 105mm (D) x 142mm (H)
Installation	DIN Rail and Wall Mount Design
Certification	
EN55022/24	ITE equipment
EN50155	Railways Applications Electronic Equipment used on Rolling Stock
EN55011	Industrial, Scientific and Medical (ISM) equipment
EN50121-3-2	Railway Applications – Electromagnetic Compatibility – Part 3-2 Rolling Stock - Apparatus
EN50121-4	Railway Applications – Electromagnetic Compatibility – Part4 Emissions and Immunity of the Signaling and Telecommunications Apparatus
Safety	IEC EN60950-1
EMC/EMS	CE, FCC, VCCI
EMI	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
EN 50155 / EN 60068-2-6	Vibration
EN 50155 / EN 60068-2-27	Shock
EN 50155 / EN 60068-2-32	Free Fall

## Order Information

Product Name	Description
IGSP-UT041C1S	6 ports: 4x10/100/1000M TX PSE (802.3af/at POE+) + 1x Combo(10/100/1000T or 100/1000M SFP), + 1x100/1000M SFP -40°C to +75°C 44-56VDC
IGSP-UT041C	5 ports: 4x10/100/1000M TX PSE (802.3af/at POE+) + 1x Combo(10/100/1000T or 100/1000M SFP) -40°C to +75°C 44-56VDC
IGSP-UT041C1S-B	6 ports: 4x10/100/1000M TX PSE (802.3af/at POE+) + 1x Combo(10/100/1000T or 100/1000M SFP), + 1x100/1000M SFP -40°C to +75°C 12-56VDC
IGSP-UT041C-B	5 ports: 4x10/100/1000M TX PSE (802.3af/at POE+) + 1x Combo(10/100/1000T or 100/1000M SFP) -40°C to +75°C 12-56VDC

## Housing Dimension

