IDGPS-C1042GP+-BT

Industrial 6-port Unmanaged Gigabit PoE Ethernet Switch with 4x10/100/1000/2500Base-T(X) P.S.E and 2 x1G/10GBase-X, SFP socket

Features

- Support 4 ports 10/100/1000/2500Base-T(X) P.S.E ports
- Support IEEE 802.3bt compliant PoE and total power budget is 240Watts with maximum 90Watts per port.
- Support 2 ports 1G/10GBase-X SFP socket
- Support auto-negotiation and auto-MDI/MID-X
- Support Store and forward transmission
- Support flow control
- Rigid IP-40 housing design
- DIN-rail mounting enable



Full PoE Redundant PWR -40~75°C Temperature

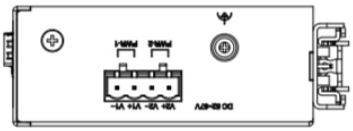
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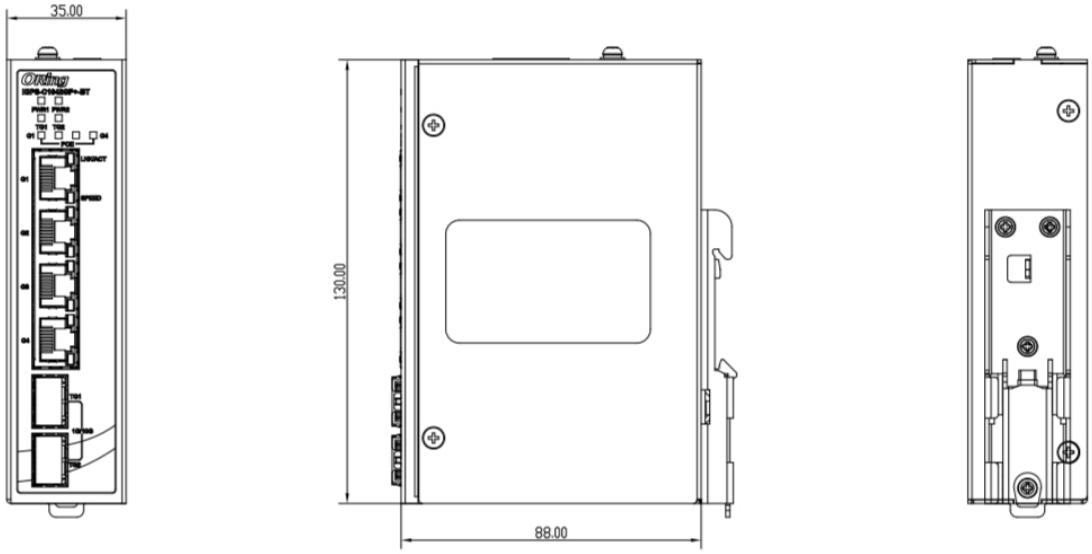
Introduction

IDGPS-C1042GP+-BT is unmanaged Ethernet Switch with 4x10/100/1000/25000Base-T(X) P.S.E ports with 2x1G/10GBase-X SFP ports and extended operating temperature range from -40℃ to 75℃ for the harsh environments. IDGPS-C1042GP+-BT supports power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. P.S.E is a device (switch or hub for instance) that will provide power in a PoE setup. Therefore, the switch is one of the most reliable choices for rolling stock and highly unmanaged PoE Ethernet application.

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Dimensions





PoE PIN Definition

10/100Base-T(X) P.S.E RJ-45 port	
RJ-45 PIN Definition	
PIN No.	Description
# 1	TD+ with PoE Power input +
# 2	TD+ with PoE Power input +
# 3	RD+ with PoE Power input -
# 6	RD+ with PoE Power input -

1000Base-T(X) P.S.E RJ-45 port	
RJ-45 PIN Definition	
PIN No.	Description
# 1	BI_DA+ with PoE Power input +

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# 2	BI_DA- with PoE Power input +
# 3	BI_DB+ with PoE Power input -
# 4	BI_DC+
# 5	BI_DC-
# 6	BI_DB- with PoE Power input -
# 7	BI_DD+
# 8	BI_DD-

Specifications

ORing Switch Model	IDGPS-C1042GP+-BT
Physical Ports	
10/100/1000/2500Base-T(X) Ports in RJ45 Auto MDI/MDIX with P.S.E	4
1G/10G Base-X with SFP port	2
Technology	
Ethernet Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3ab for 1000Base-T IEEE 802.3z for 1000Base-X IEEE 802.3bz for 2.5GBaseT IEEE 802.3ae for 10G SFP+ IEEE 802.3x for Flow control IEEE 802.3af/at/bt PoE specification
MAC Table	8K
Processing	Store-and-Forward
Jumbo Frame	16K Bytes
Switch Properties	Switching latency: 10us Switching bandwidth: 60Gbps
LED indicators	
Power Indicator (PWR)	Green: Power LED x2
10/100/1000/2500Base-T(X) RJ45 Port Indicator	Upper LED for Link/Act indicator: Green for port Link/Act Lower LED for Speed : Dual color LED for speed indicator : Green (2500M) / Amber (1000M) / Off-light (10/100M).
PoE Indicator	Green LED for PoE enabled indicator
1G /10G Base-X SFP Port Indicator	Green for port Link/Act
Power	
Redundant Input power	Dual 52~57VDC on 4-pin terminal block
Power consumption (Typ.)	<10Watts
PoE Power budget	240W max
Overload current protection	Present
Physical Characteristic	
Enclosure	IP-40 Metal
Dimension (W x D x H)	35(W) x 88 (D) x 130(H)mm

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Environmental	
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-40 to 75°C (-40 to 167°F)
Operating Humidity	5% to 95% Non-condensing
Regulatory approvals	
EMC	CE EMC (EN 55035, EN 55032), FCC Part 15 B
Shock	IEC60068-2-27
Free Fall	IEC60068-2-31
Vibration	IEC60068-2-6
Safety	EN 62368-1 (LVD)
Warranty	5 years

Ordering Information

IDGPS-C10A B CC

Code Definition	10/100/1000/2500Base-T(X) P.S.E Port Number	Additional Port Number	Additional Port Type
Option	**- 4:** 4ports	**- 2:** 2port	**- GP+: 1G/10G** SFP ports

Available Model	Model Name	Description
	IDGPS-C1042GP+-BT	Industrial 6-port unmanaged Gigabit PoE Ethernet switch with4x10/100/1000/2500Base-T(X) P.S.E and 2x1G/10GBase-X SFP socket.

Packing List
- IDGPS-C1042GP+-BT x 1
- DIN-Rail Kit x 1
- Quick Installation Guide x 1

Optional Accessories
- DR/SDR/DRP Series DIN-Rail power supply
- SFP 1G series: 1Gbps SFP Optical transceiver

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