

8G+2GSFP Industrial Unmanaged Gigabit Ethernet Switch



ES 1010G-2SFP



- 8x Gigabit Ethernet ports
- 2x 100/1000F(x) SFP Slot
- Built for harsh environments and wide temperature range application
- Relay Output with Current Carrying Capacity
- IP-30 Hardened Enclosure
- DIN-Rail Mounting, Optional Wall Mounting

BEC
by BILLION

Specifications

Technology

Standards	IEEE 802.3 10BaseT
	IEEE 802.3u 100BaseTX
	IEEE 802.3ab 1000BaseT
	IEEE 802.3z 1000BaseX
	IEEE 802.3x Flow Control

Processing Type	Store and Forward
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Switch Properties

Switch Fabric	20Gbps
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Priority Queues	-
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MAC Table Size	8K
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Packet Buffer	4Mbits
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Interface

RJ45 Port	8x 10/100/1000T(x), auto negotiation speed duplex mode, auto MDI/MDI-X
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Fiber Port	2x 100/1000F(x) SFP Slot
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LED Indicators	Per unit: PWR1, PWR2, Fault Ports: Link/Active with highest speed(Green), low speed(Amber)
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Alarm Contact	1x relay output with current carrying capacity of 1A @ 24 VDC
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Power Requirements

Operation Voltage	12-48VDC, redundant dual inputs
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Connection	1x removable 6-contact terminal block
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Power Consumption	15W
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Protection	Overload Current Protected, Reverse Polarity Protected
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Mechanical Construction

Enclosure	Aluminum
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Protection Class	IP-30
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Dimensions	50x120x100 mm (WxHxD)
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Weight	0.7 kg
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Mounting	DIN-Rail Mounting, Optional Wall Mounting Kits
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Environmental Limits

Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
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Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
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Ambient Humidity	5 to 95%, (Non-Condensing)
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Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A CE EN 55032 Class A
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EMS	IEC61000-4-2 (ESD) IEC61000-4-3 (RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge) IEC61000-4-6 (CS) IEC61000-4-8 (Magnetic Field)
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Free Fall	IEC60068-2-32
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Shock	IEC60068-2-27
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Vibration	IEC60068-2-6
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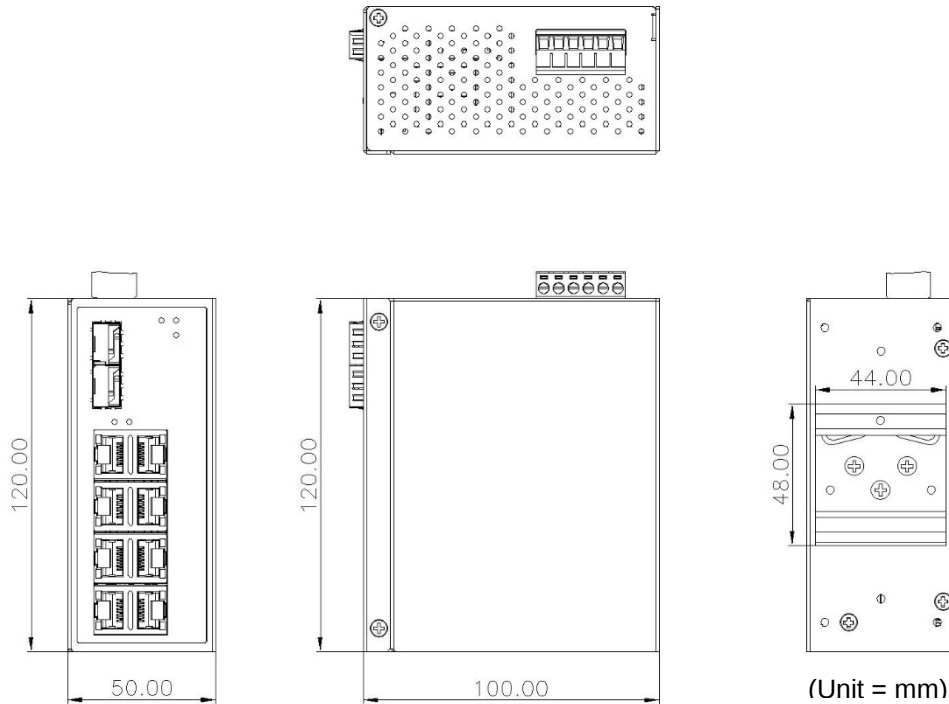
Green	RoHS Compliant
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Certifications	IEC 61000-6-2 IEC 61000-6-4
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MTBF	>100,000 hours
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Warranty	5 Years
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Dimensions



Ordering Information

ES 1010G-2SFP

8G+2GSFP Industrial Unmanaged Gigabit Ethernet Switch
 - 8x 10/100/1000T(x) + 2x 100/1000F(x) SFP Slot
 - Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F)

Optional Accessories

Industrial DIN Power Supply

DRC-24V30W1AZ 30W Industrial DIN-Rail Power Supply, 24VDC (metal case)

SFP

SFPFM2	SFP, 100Mbps, LC, multi-mode, 2KM, 0~70°C
SFPFS30	SFP, 100Mbps, LC, single-mode, 30KM, 0~70°C
SFPGM05	SFP, 1000Mbps, LC, multi, DDM, 550M, 0~70°C
SFPGM2	SFP, 1000Mbps, LC, multi, DDM, 2KM, 0~70°C
SFPGS10	SFP, 1000Mbps, LC, single, DDM, 10KM, 0~70°C

Note: Specifications in this datasheet are subject to change without prior notice.