



## Blueberry unmanaged Industrial Ethernet switch, BU-106F2

### Features

- 4 x 10/100BASE-TX (RJ-45)
- 2 x 100BASE-MM/SM-SC ports
- Operating temperature: [-40°C..70°C]
- Dual DC power input, 12-48VDC
- IP30 housing
- Mounting: DIN-Rail

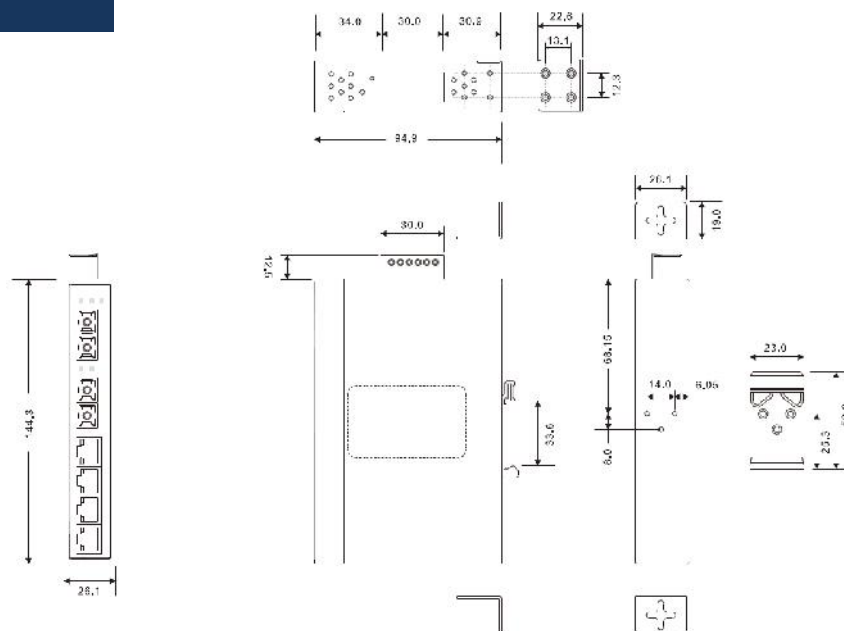


The BU-106F2 unmanaged switch allows you to extend Ethernet communication via optical fiber. It is a compact unit designed for industrial environments and offers a wide temperature range [-40°C..70°C]. The switch is available with the following fiber transceivers

- 2 x 100BASE-FX-MM, 100Mbps, multi-mode (1310nm) with SC connector – 2km
- 2 x 100BASE-FX-SM, 100Mbps, single-mode (1310nm) with SC connector – 30km



## Dimensions



## Specifications

<b>Ethernet ports</b>	
<b>10/100BASE-TX port in RJ45 Auto MDI/MDIX</b>	4
<b>Fiber ports</b>	
<b>100BASE-FX ports</b>	2
<b>Specifications</b>	100BASE-FX-MM with SC connector (1310nm, 2km), or 100BASE-FX-SMM with SC connector (1310nm, 30km)
<b>Technology</b>	
<b>Ethernet standards</b>	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3u for 100Base-FX
<b>MAC table</b>	2048 MAC addresses
<b>Packet processing</b>	Store-and-forward
<b>LEDs</b>	
<b>Power</b>	Green : Power LED, Indicate power input
<b>10/100BASE-TX RJ45 port</b>	Green for port Link/Act. Amber for Duplex





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Power	
<b>Redundant Power Input</b>	Dual DC inputs. 12-48VDC , 6 pin terminal block
<b>Power Consumption (Typical)</b>	7W
<b>Overload Current Protection</b>	Yes
<b>Reverse Polarity Protection</b>	Yes
Physical characteristics	
<b>Enclosure</b>	IP30, Aluminum case
<b>Dimension (W x D x H)</b>	26.1 (W) x 70 (D) x 95 (H)mm (1.03 x 2.76 x 3.74 inch)
<b>Weight (g)</b>	382 g
<b>Installation</b>	DIN rail mounting
Environmental	
<b>Storage Temperature</b>	-40 to 85°C (-40 to 185°F)
<b>Operating Temperature</b>	-40 to 70°C (-40 to 158°F)
<b>Operating Humidity</b>	5% to 95% Non-condensing
Approvals	
<b>EMI</b>	FCC Part 15, CISPR (EN55022) class A
<b>EMS</b>	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11
<b>Shock</b>	IEC60068-2-27
<b>Free fall</b>	IEC60068-2-32
<b>Vibration</b>	IEC60068-2-6
<b>Safety</b>	EN60950
<b>Warranty</b>	5 years

### Ordering information

Product	
<b>BU-106F2-MM-SC</b>	Unmanaged industrial Media converter with 4 x 10/100BASE-TX (RJ-45) + 2x100BASE-FX-MM-2km (SC).
<b>BU-106F2-SM-SC</b>	Unmanaged industrial Media converter with 4 x 10/100BASE-TX (RJ-45) + 2x100BASE-FX-SM-30km (SC).





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