



## Blueberry 5 port unmanaged gigabit industrial Ethernet switch series, BU-1200

### Features

- 4 x 10/100/1000BASE-TX ports
- 1 x 1000BASE SFP port
- Wide operating temperature: [-40°C..70°C]
- Dual redundant DC power input
- IP30 aluminum slim housing
- Mounting: DIN-Rail



Other SFPs including BIDI fiber transceivers for other fiber lengths are available on request.

The Blueberry BU-1200 Series Ethernet switch series offers communication via copper and optical fiber ports. It is a compact unit designed for industrial environments and offers a wide temperature range [-40°C..70°C]. Speed and duplex can easily be configured via DIP switches if needed. The unit has 4 x 10/100/1000BASE-TX (RJ-45) and 1 x 1000BASE SFP cage which can be equipped with none or one pluggable fiber transceivers:

1000BASE-SX, 1000Mbps, multi-mode (850nm) LC connector – 550m

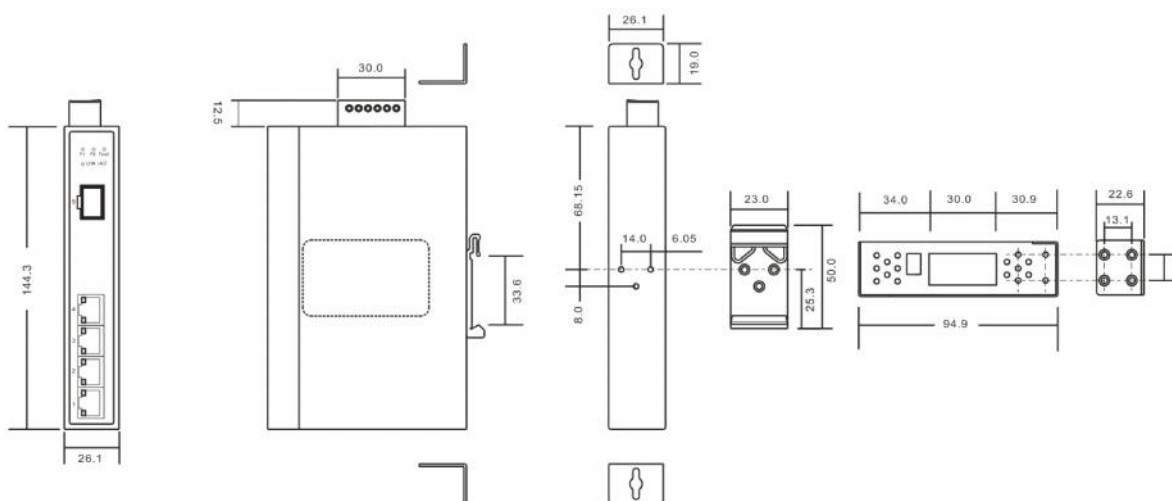
1000BASE-LX, 1000Mbps, single-mode (1310nm) LC connector – 10km

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The unit further features dual redundant DC power inputs, DIN-Rail Mounting and comes in an IP30 Aluminum case



## Dimensions



## Specifications

|   |  |
|---|--|
| <b>Ethernet TX</b>                      |  |
| <b>10/100/1000BASE-TX Ports in RJ45</b> | 4  |
| <b>Auto MDI/MDIX</b>                    |  |
| <b>1000BASE-FX SFP slots</b>            | 1  |
| <b>Technology</b>                       |  |
| <b>Ethernet standards</b>               | IEEE 802.3 for 10Base-T<br>IEEE 802.3u for 100Base-TX and 100Base-FX<br>IEEE 802.3z for 1000Base-X<br>IEEE 802.3x for Flow control |
| <b>Specifications</b>                   |  |
| <b>MAC table</b>                        | 1024 MAC addresses   |
| <b>Switch properties</b>                | Store-and-forward and full wires speed on all ports  |
| <b>LEDs</b>                             |  |
| <b>Power</b>                            | Green : Power LED x 2, Indicate power inputs   |
| <b>10/100/1000BASE-TX RJ45 ports</b>    | Green for port Link/Act.   |
| <b>Fiber port indicator</b>             | Green for port Link/Act.   |
| <b>Fault</b>                            | Amber : Indicate excepted event occurred   |





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| Power                              |  |
|------------------------------------|--|
| <b>Redundant Input Power</b>       | Dual redundant 12 - 48 VDC voltage power input on 6-pin terminal block   |
| <b>Power Consumption (Typ.)</b>    | 5,5 Watts  |
| <b>Overload Current Protection</b> | Yes  |
| <b>Reverse Polarity Protection</b> | Yes  |
| Physical Characteristic            |  |
| <b>Enclosure</b>                   | IP30, Aluminum case  |
| <b>Dimension (W x D x H)</b>       | 26.1 mm (W) x 95 mm (D) x 144.3 mm (H)<br>(1.03 x 3.74 x 5.68 inch.)   |
| <b>Weight (g)</b>                  | 403g   |
| <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),<br>EN61000-4-5 (Surge), EN61000-4-6 (CS),<br>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-1204F0</b>    | Unmanaged industrial Ethernet switch with 4x 10/100BASE-TX (RJ-45) + 1 x SFP                             |
| <b>BU-1205F1-SX</b> | Unmanaged industrial Ethernet switch with 4x 10/100BASE-TX (RJ-45) + 1 x SFP + 1 x 1000BASE-SX-550m (LC) |
| <b>BU-1205F1-LX</b> | Unmanaged industrial Ethernet switch with 4x 10/100BASE-TX (RJ-45) + 1 x SFP + 1 x 1000BASE-LX-10km (LC) |





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