Overview

The EE108 is a Unmanaged Industrial Fast Ethernet Switch. It provides two 100Mbps fiber optic SC ports and eight 10/100Mbps electrical RJ45 ports. The EE108 is designed to meet the various industrial application needs and provide a wide range of industrial Ethernet network communication solutions, including linking multiple remote traffic intersections to the Traffic Operation Center. The EE108 supports DIN rail and panel mounting for installation in the industrial environment.


Features

- 2 x 100M FX Fiber Ports
- 8 x 10/100M TX Ethernet Ports
- Support 802.1Q 4K VLAN, port based, protocol based VLAN, Generic Attribute Registration Protocol (GARP), GARP VLAN Registration Protocol (GVRP)
- Static and Dynamic port aggregation
- Port rate limit, broadcast storm control, port mirroring, rich Quality of Service (QoS) features
- 24 VDC power input for high reliability
- DIN rail or panel mount

Applications

- ITS Traffic Applications
- SCADA Networks
- Metro Networks
- Gas & Oil Fields Monitoring Applications
- Railroad Networks
- Military Applications
- Data Acquisition Applications

Order Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Descriptions</th>
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</thead>
<tbody>
<tr>
<td>EE108SC03</td>
<td>Unmanaged Industrial Fast Ethernet Switch, 2 x 100M-FX SC,SM 1310nm, 50 Km, 8 x 10/100M-TX RJ45 , 24VDC</td>
</tr>
</tbody>
</table>
**EE108**

**Technical Specifications**

**EE Series**

**Specifications**

<table>
<thead>
<tr>
<th>System:</th>
<th>Fiber Interface:</th>
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<tbody>
<tr>
<td>Network Standards</td>
<td>FX Port</td>
</tr>
<tr>
<td>IEEE 802.3 10Base-T</td>
<td>2 Ports</td>
</tr>
<tr>
<td>IEEE 802.3u 100Base-TX</td>
<td>Data Rate</td>
</tr>
<tr>
<td>IEEE 802.3z 100Base-FX</td>
<td>100 Mbps</td>
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<table>
<thead>
<tr>
<th>Physical:</th>
<th>Connector</th>
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</thead>
<tbody>
<tr>
<td>Dimension</td>
<td>SC</td>
</tr>
<tr>
<td>5.5” x 4.5” x 2.5”</td>
<td></td>
</tr>
<tr>
<td>Power</td>
<td>Distances</td>
</tr>
<tr>
<td>24 VDC @ 0.5 Amp</td>
<td>20KM@1310SM, 40KM@1310SM, 100KM@1550SM</td>
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<table>
<thead>
<tr>
<th>Environment:</th>
<th>TX Interface:</th>
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<tbody>
<tr>
<td>Operating</td>
<td>Ports</td>
</tr>
<tr>
<td>-34°C to +74°C</td>
<td>8 RJ45</td>
</tr>
<tr>
<td>Storage</td>
<td>Data Rate</td>
</tr>
<tr>
<td>-40°C to +85°C</td>
<td>10/100 Mbps</td>
</tr>
<tr>
<td>Humidity</td>
<td>TX Port</td>
</tr>
<tr>
<td>98% Non-Condensing</td>
<td>Auto-MDI/MDIX</td>
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**Application**

10/100M TX Ethernet RJ45
At Remote Location

![Diagram of EE108 and network switch connected by SM fibers]

Operation Center
Main Ethernet Network Switch

10/100M TX Ethernet RJ45

Up to 50 Km SM Fibers

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