DS-3E0318P-E/M(B) switch is a layer 2 long-range PoE switch, providing 16 × 100 Mbps PoE ports, 1 × 1000 Mbps RJ45 port, and 1 × 1000 Mbps SFP fiber optical port. The switch provides advanced PoE technology and supports extend mode with long-range access up to 250 m. The prior and stable transmission of the important surveillance area videos can also be guaranteed when connected to the high priority ports. The switch is reliable, easy to install and maintain, and equipped with rapid switching functions. With multiple access ports, it is applicable for access or aggregation and upload of small-scale LAN devices.

Feature and Function

- 16 × 100 Mbps PoE ports, 1 × 1000 Mbps RJ45 port, and 1 × 1000 Mbps SFP fiber optical port.
- IEEE 802.3at/af standard.
- IEEE 802.3, IEEE 802.3u, and IEEE 802.3x standard.
- High priority ports.
- 8-core power supply.
- Up to 250 m transmission distance.
- 6 KV surge protection for PoE ports.
- PoE power management.
- 1000 Mbps network access.
- Wire-speed forwarding and non-blocking design.
- Store-and-forward switching.
- Solid high-strength metal shell.
## Specification

<table>
<thead>
<tr>
<th>Model</th>
<th>DS-3E0318P-E/M(B)</th>
</tr>
</thead>
</table>

### Network parameters
- **Port number**: 16 × 100 Mbps PoE ports, 1 × 1000 Mbps RJ45 port, and 1 × 1000 Mbps SFP fiber optical port
- **Port type**: RJ45 port, full duplex, MDI/MDI-X adaptive
- **Standard**: IEEE 802.3, IEEE 802.3u, IEEE 802.3x
- **Forwarding mode**: Store-and-forward switching
- **Working mode**: Standard mode (default); Extend mode
- **High priority ports**: Ports 1 to 8
- **Ports for long-distance transmission**: Ports 9 to 16
- **MAC address table**: 4 K
- **Switching capacity**: 7.2 Gbps
- **Packet forwarding rate**: 5.356 Mpps
- **Internal cache**: 2.75 Mbits

### PoE power supply
- **PoE standard**: IEEE 802.3af, IEEE 802.3at
- **PoE power pin**: Ports for long-distance transmission (9-16) support 8-core power supply, Ethernet cable 1/2/3/6 and 4/5/7/8 provide simultaneous power supply.
  - Ports for close-range transmission (1-8) support 4-core power supply, Ethernet cable 1/2/3/6 provide power supply.
- **PoE port**: Ports 1 to 16
- **Max. port power**: 30 W
- **PoE power budget**: 130 W
- **Max. power consumption**: 150 W

### General
- **Shell**: Metal material
- **Gross weight**: 2.58 kg (5.69 lb)
- **Net weight**: 1.8 kg (4.0 lb)
- **Dimension (L × H × D)**: 266 mm × 44.5 mm × 220.8 mm (10.5” × 1.8” × 8.7”)
- **Operating temperature**: -10 °C to 55 °C (-14 °F to 131 °F)
- **Storage temperature**: -40 °C to 85 °C (-40 °F to 185 °F)
- **Operating humidity**: 5% to 95% (no condensation)
- **Storage humidity**: 5% to 95% (no condensation)
- **Power supply**: 100 to 240 VAC, 50/60 Hz, Max. 2.5 A
- **Power consumption in idle**: 20 W
Physical Interface

Front panel:

Back panel:

Available Model

• DS-3E0318P-E/M(B)

Optional Accessory

<table>
<thead>
<tr>
<th>SFP Module</th>
<th>Fiber type</th>
<th>Connector</th>
<th>Date Rate</th>
<th>Wavelength</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>HK-SFP-1.25G-20-1310</td>
<td>Single fiber, Single-mode</td>
<td>LC</td>
<td>1250 Mbps</td>
<td>Tx1310nm/Rx1550nm</td>
<td>0 to 20 km</td>
</tr>
<tr>
<td>HK-SFP-1.25G-20-1550</td>
<td>Single fiber, Single-mode</td>
<td>LC</td>
<td>1250 Mbps</td>
<td>Tx1550nm/Rx1310nm</td>
<td>0 to 20 km</td>
</tr>
<tr>
<td>HK-SFP-1.25G-1310-DF-MM</td>
<td>Duplex fiber, Multi-mode</td>
<td>LC</td>
<td>1250 Mbps</td>
<td>Tx1310nm/Rx1310nm</td>
<td>0 to 1 km</td>
</tr>
<tr>
<td>HK-SFP-1.25G-20-1310-DF</td>
<td>Duplex fiber, Single-mode</td>
<td>LC</td>
<td>1250 Mbps</td>
<td>Tx1310nm/Rx1310nm</td>
<td>0 to 20 km</td>
</tr>
</tbody>
</table>

NOTE

HK-SFP-1.25G-20-1310 has to work with HK-SFP-1.25G-20-1550 as a pair.
Typical Application

Convergence Switch

100M PoE Switch

NVR

Monitor

Up to 250 m

Camera

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