The Alcatel-Lucent OmniSwitch® 6465H-BPNX is a ruggedised, fan-less power supply for use with the enhanced OmniSwitch 6465-P12. Designed for industrial Ethernet applications, this DIN rail mountable power supply offers a Power over Ethernet (PoE) budget of 240W while working in a stand-alone or redundant configuration. It is ideal for a wide variety of industrial applications such as Intelligent Transportation, railways, smart cities and utilities to name a few.

### Technical specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>OS6465H-BPNX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input voltage</td>
<td>100 VAC to 240 VAC</td>
</tr>
<tr>
<td>Maximum input current</td>
<td>5A/115 VAC, 2.5A/230VAC</td>
</tr>
<tr>
<td>Rated output power</td>
<td>275W</td>
</tr>
<tr>
<td>Output voltage</td>
<td>54.5 VDC</td>
</tr>
<tr>
<td>Surge protection</td>
<td>Level 4: 4 KV</td>
</tr>
<tr>
<td>PoE type supported</td>
<td>IEEE 802.3bt (60 W), IEEE 802.3at (30 W), IEEE 802.3af (15 W)</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-40°C to +70°C (-13°F to +158°F)</td>
</tr>
<tr>
<td>Fans</td>
<td>0</td>
</tr>
<tr>
<td>Mounting</td>
<td>DIN</td>
</tr>
<tr>
<td>Operating humidity</td>
<td>20 to 95% RH non-condensing</td>
</tr>
<tr>
<td>Storage humidity</td>
<td>10 to 95% RH non-condensing</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-40°C to +85°C</td>
</tr>
<tr>
<td>Dimensions (H x W x D)</td>
<td>125.2 cm x 85.5 cm x 128.5 cm, (4.93 in x 3.37 in x 5.06 in)</td>
</tr>
<tr>
<td>Weight</td>
<td>1.6 Kg (3.53 lbs)</td>
</tr>
</tbody>
</table>

**Datasheet**
Alcatel-Lucent OmniSwitch 6465H-BPNX
Mechanical specifications

Compliance and certifications
OS6465H-BPNX has currently been qualified to work only with the enhanced OS6465-P12 switch (ordered through part number references OS6465H-P12 and OS6465H-P12-xx). When used in conjunction with the enhanced OS6465-P12 switch, the following certifications apply.

Commercial safety
- IEC 62368-1
- UL 60950-1, 2nd Ed.
- IEC 60950-1: all national deviations
- EN 60950-1: all deviations
- CAN/CSA-C22.2 No. 60950-1-03
- NOM-019 SCFI, Mexico
- AS/NZ TS-001 and 60950:2000,

Australia
- UL-AR, Argentina
- UL-GS Mark, Germany
- CU, EAC, Russia
- ANATEL, Brazil
- CCC, China
- KCC Korea
- BSMI, Taiwan
- EN 60825-1 Laser
- EN 60825-2 Laser
- IEC 61000-3-5
- EN 61000-3-2 (Harmonic current (Class A))
- EN 61000-4-2 (Surge immunity, Class 4)
- EN 61000-4-3
- EN 61000-4-4
- EN 61000-4-5
- EN 61000-4-6
- EN 61000-4-8
- EN 61000-4-11
- IEEE802.3: Hi-pot test (2.25 KV DC on all Ethernet ports)

Commercial EMI/EMC
- 47 CRF FCC Part 15: 2015 Subpart B (Class A) VCCI (Class A, with UTP Cables)
- ICES–003:2012 Issue 5, Class A
- AS/NZS 3548 (Class A) – C-Tick
- CE marking for European countries (Class A)
- CE Emission
  - EN50581 (RoHS Recast)
  - EN 55032 (EMI & EMC requirement)
  - EN 55024 (Immunity characteristics)
  - EN 61000-3-2 (Harmonic current emissions)
- EN 61000-3-3
- EN 61000-4-2
- EN 61000-4-3
- EN 61000-4-4
- EN 61000-4-5
- EN 61000-4-6
- EN 61000-4-8
- EN 61000-4-11
- IEEE802.3: Hi-pot test (2.25 KV DC on all Ethernet ports)

Industrial
Industrial safety
- UL 508
- UL 61010
- Hazardous location
  - ISA 12.12.01 (UL 1604)
  - CSA22.2/213

Ordering information

<table>
<thead>
<tr>
<th>Part number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS6465H-BPNX-xx</td>
<td>OS6465H-BPNX: DIN Mount AC Power supply. Provides system and 240W PoE power to one OS6465-P12 switch (ENH-240), orderable through references OS6465H-P12 and OS6465H-P12-xx. Ships with country specific power cord and DIN mounting hardware. NOT QUALIFIED with switches orderable through references OS6465-P12, OS6465-P12-xx, OS6465-P6 and OS6465-P6-xx</td>
</tr>
</tbody>
</table>

The "-xx" suffix in the part number references should be replaced with country-specific power cord code (for example OS6465H-BPNX-US will come with a power cord for the USA, OS6465H-BPNX-UK for United Kingdom). ALE offers 11 different power cord options. Please consult the price list for all power cord options.