The 455883B21ST is a TAA compliant HP 455883-B21 compatible fiber transceiver module that has been designed, programmed and tested to work with HP® brand switches and routers. It delivers dependable 10 GbE connectivity over fiber cable, for 10GBASE-SR compliant networks, with a maximum distance of up to 300 m (984 ft).

Technical Specifications:

- **Wavelength**: 850 nm
- **Maximum Data Transfer Rate**: 11.1 Gbps
- **Type**: Multi Mode Fiber
- **Connection Type**: LC Connector
- **Maximum Transfer Distance**: 300 m (984 ft)
- **MTBF**: 3,068,049 hours
- **Power Consumption**: Less than 1 Watt
- **Digital Diagnostics Monitoring (DDM)**: Yes
This SFP+ fiber module is hot-swappable, making upgrades and replacements seamless by minimizing network disruptions.

**StarTech.com SFPs**

All StarTech.com SFP & SFP+ transceiver modules are backed by a lifetime warranty and free lifetime multilingual technical support. StarTech.com offers a wide variety of SFP modules and direct-attach SFP cables, providing the convenience and reliability you need to ensure dependable network performance.
Certifications, Reports and Compatibility

Applications

- Replacing defective or damaged SFP+ modules in HP switches and routers
- Expand your network to remote segments

Features

- 100% compatibility with HP 455883-B21 guaranteed
- StarTech.com SFP modules are backed by a lifetime warranty
- Meets or exceeds OEM specifications and Multi-Source Agreement (MSA) industry standards
- Low power consumption of less than 1 W
- Hot-swappable with fiber-optic modules
## Data Sheet

<table>
<thead>
<tr>
<th><strong>Hardware</strong></th>
<th><strong>Warranty</strong></th>
<th><strong>Lifetime</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Compatible Brand</strong></td>
<td>HP®</td>
<td></td>
</tr>
<tr>
<td><strong>Industry Standards</strong></td>
<td>IEEE 802.3ae 10GBASE-SR</td>
<td></td>
</tr>
<tr>
<td><strong>WDM</strong></td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Performance</strong></th>
<th><strong>Compatible Networks</strong></th>
<th>10 Gbps</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DDM</strong></td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td><strong>Fiber Operating Mode</strong></td>
<td>Full-Duplex</td>
<td></td>
</tr>
<tr>
<td><strong>Max Transfer Distance</strong></td>
<td>300 m (984 ft)</td>
<td></td>
</tr>
<tr>
<td><strong>Maximum Data Transfer Rate</strong></td>
<td>11.1 Gbps</td>
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<td>Multi Mode</td>
<td></td>
</tr>
<tr>
<td><strong>Wavelength</strong></td>
<td>850nm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Connector(s)</strong></th>
<th><strong>Local Unit Connectors</strong></th>
<th>1 - Fiber Optic LC Duplex Female</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Special Notes / Requirements</strong></th>
<th><strong>Note</strong></th>
<th>For use in 10 Gigabit fiber networking equipment and media converters</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>System and Cable Requirements</strong></td>
<td>MSA or HP compliant SFP+ port</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Power</strong></th>
<th><strong>Power Consumption (In Watts)</strong></th>
<th>&lt; 1 W</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Environmental</strong></th>
<th><strong>Humidity</strong></th>
<th>5~95% RH</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>0°C to 70°C (32°F to 158°F)</td>
<td></td>
</tr>
<tr>
<td><strong>Storage Temperature</strong></td>
<td>-40°C to 85°C (-40°F to 185°F)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Physical Characteristics</strong></th>
<th><strong>Color</strong></th>
<th>Silver</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Packaging Information</strong></th>
<th><strong>Package Height</strong></th>
<th>1.3 in [32 mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Package Length</strong></td>
<td>4.8 in [12.1 cm]</td>
<td></td>
</tr>
<tr>
<td><strong>Package Width</strong></td>
<td>3 in [75 mm]</td>
<td></td>
</tr>
<tr>
<td><strong>Shipping (Package) Weight</strong></td>
<td>1.8 oz [51 g]</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>What's in the Box</strong></th>
<th><strong>Included in Package</strong></th>
<th>1 - SFP+ transceiver</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Material</strong></th>
<th>Aluminum</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Height</strong></td>
<td>0.4 in [8.9 mm]</td>
</tr>
<tr>
<td><strong>Product Length</strong></td>
<td>2.2 in [57 mm]</td>
</tr>
<tr>
<td><strong>Product Width</strong></td>
<td>0.5 in [13.3 mm]</td>
</tr>
<tr>
<td><strong>Weight of Product</strong></td>
<td>0.7 oz [19 g]</td>
</tr>
</tbody>
</table>
Product appearance and specifications are subject to change without notice.