Charles Fiber 288 Outdoor Hub Cabinet

High-Capacity Fiber Distribution Hub for Passive Optical Networks (GPON/EPON)

Outdoor Hub Cabinets (OHC) provide fiber distribution to subscribers from a compact, environmentally protected outdoor terminal. OHC have been designed with flexibility in mind and support fusion, pre-terminated and field terminated feed and drop fibers. These PON terminals have space for multiple splitters for incremental growth. They may be pad, pole or wall mounted for placement flexibility and are well suited for multi-dwelling unit (MDU) distribution in centralized or distributed Optical Network Terminals (ONT).

Everything about the interior of the OHC is designed with the technician in mind. Multiple cable entry locations are positioned at the bottom of the enclosure, allowing flexible placement of feed and distribution cables. Fiber bend radius controls and routing guides ensure cable management and proper slack storage. A splice tray basket secures hinged splice trays that are individually accessible without disturbing previously spliced trays. Charles Passive Splitter Modules (CFSM) are available with optimized pigtail lengths.

OHC are constructed from powder-coated aluminum that is both durable and lightweight. The unit can be quickly installed by a single technician. Front and rear access doors are secured with low-profile, 216-tool quarter turn locks and padlock hasps for additional access control. A grounding bus bar with multiple grounding studs is provided.

Applications

Garden Apartments  Low-Rise MDU  Mid-Rise MDU  High-Rise MDU

Outdoor Hub Cabinets provide scalable PON fiber distribution for up to 288 subscribers at multi-user locations.
Outdoor Fiber Hub Product Features

OHC Splice Compartment

1. 216-tool hex-head quarter turn lock
2. Door wind latch
3. Hinged splice tray basket (up to 14 trays)
4. Feed and Drop terminations
5. Cable attachment points
6. Optional plinth for groundmount installations

OHC Distribution Compartment

7. 48 feed or pass-thru adapters
8. 288 fiber distribution adapters
9. Ten fiber splitter module locations
10. Splitter fiber distribution management
11. Splitter output storage

OHC Specifications

Overall Dimensions: 28"H x 22"W x 16"D (without plinth)
38"H x 22"W x 16"D (with plinth)
Weight (empty): 58 lbs. (without plinth)
73 lbs. (with plinth)
Splitter Capacity: Ten
Scalable Bulkhead: 48 Feed / 288 Distribution Maximum
Adapter Type: SC/APC
Finish: Off-White Powder Coated
## OHC Ordering Information

### OHC2-288

<table>
<thead>
<tr>
<th></th>
<th>Qty. of Feed Adapters</th>
<th>Qty. of Distribution Adapters</th>
<th>Mounting Options</th>
<th>Splice Trays and Fanout Cables*</th>
<th>Connector to Stub Cable Type**</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>12</td>
<td></td>
<td></td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>B</td>
<td>24</td>
<td>144</td>
<td></td>
<td>Splice Trays - Configured for 144 Cabinet</td>
<td>OSP Dielectric LT (1) 48 Fiber Feed (2) 144 Fiber Distribution</td>
</tr>
<tr>
<td>C</td>
<td>36</td>
<td>288</td>
<td>10&quot; High Plinth</td>
<td>Splice Trays and LT Fanouts BI - Configured for 288 Cabinet</td>
<td>OSP Dielectric LT (1) 24 Fiber Feed (2) 144 Fiber Distribution</td>
</tr>
<tr>
<td>D</td>
<td>48</td>
<td>96</td>
<td>Pole Mount Bracket</td>
<td>Splice Trays and Ribbon Fanouts BI - Configured for 96 Cabinet</td>
<td>OSP Dielectric LT (1) 12 Fiber Feed (1) 144 Fiber Distribution</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10&quot; High Plinth  &amp; Pole Mount Bracket</td>
<td>Splice Trays and Ribbon Fanouts BI - Configured for 96 Cabinet</td>
<td>OSP Dielectric LT (1) 12 Fiber Feed (1) 96 Fiber Distribution</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Splice Trays &amp; LT Fanouts BI to match Feed Adapters, no Splice Trays for distribution</td>
<td>OSP Dielectric LT (1) 12 Fiber Feed (1) 96 Fiber Distribution</td>
</tr>
</tbody>
</table>

*24 splices per tray maximum, splice trays provided for feed and distribution side. Product shipped with splice trays will include 2 cord grips. Additional cord grips may be ordered separately.

**All stub options will be shipped with connector side installed into bulkhead. 100' Cables Stubs with SC/APC connectors.

### Accessories

<table>
<thead>
<tr>
<th>Ordering Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFSM-FM1132AA</td>
<td>1 x 32 pre-connectorized (SC/APC) splitter module, 2mm jacketed pigtails</td>
</tr>
<tr>
<td>CFSM-FM1232AA</td>
<td>2 x 32 pre-connectorized (SC/APC) splitter module, 2mm jacketed pigtails</td>
</tr>
<tr>
<td>KIT-SCAPC12-A</td>
<td>Kit, twelve (12) SC/APC bulkhead adapters, ceramic alignment ferrule, green</td>
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<tr>
<td>97-SMHRAY</td>
<td>Charles hinged fiber splice tray, up to 24 fusion splices</td>
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<tr>
<td>97-SCA12LF3M</td>
<td>12 fiber loose tube fanout 3M assembly, SC/APC connectors</td>
</tr>
<tr>
<td>97-CABPMKIT</td>
<td>Polemount bracket</td>
</tr>
<tr>
<td>97-CGHC1</td>
<td>Cord grip and cable attachment bracket for 0.25&quot;-0.34&quot; diameter cable</td>
</tr>
<tr>
<td>97-CGHC2</td>
<td>Cord grip and cable attachment bracket for 0.59&quot;-1.00&quot; diameter cable</td>
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<tr>
<td>97-CGHC3</td>
<td>Cord grip and cable attachment bracket for 0.43&quot;-0.85&quot; diameter cable</td>
</tr>
</tbody>
</table>

### Dependable Solutions, Superior Support

- Field-proven and unequaled 24-hour technical support
- Individualized application consultation
- Superior quality (ISO 9001/TL 9000 registered)

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