Siemon’s Copper/Fiber Combo Panel provides users with exceptional versatility and robustness. The Combo Panel allows copper outlets to be mixed in the same rack mount space as fiber plug and play modules. The compact 1U design offers integrated cable management features and supports category 5e to 7A and all multimode and singlemode fiber applications.

Aesthetics – Lightweight high strength steel with black finish

Copper Adapter Plate – Accepts 6 copper outlets with port identification on adapter plate

Plug & Play – Panel accepts up to 4 Plug & Play Modules or adapter plates

ANSI/EIA 310-D Compliant – Panels can be mounted directly on standard 19 inch rack or cabinet

Installer Friendly – Individual UTP or shielded copper modules easily snap into place, providing integral grounding without additional steps

Convenient Labeling – Panel labeling area provided allows unique panel identifiers to be added

Installer Friendly – Panels feature an integrated grounding strip to ensure proper ground path from copper outlets to grounding point

Cable Management – Built in cable manager provides ability to secures cables for proper strain relief

Plug & Play – Panels utilize the Plug & Play adapter modules that utilize NY-LATCH (push-pull adapters) for ease of installation

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PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Panel Mechanical Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimensions</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
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<tr>
<td><strong>Material</strong></td>
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<tr>
<td><strong>Operating Temperature</strong></td>
</tr>
<tr>
<td><strong>Relative Humidity</strong></td>
</tr>
<tr>
<td><strong>Storage Temperature</strong></td>
</tr>
<tr>
<td><strong>Panel Adapter Compatibility</strong></td>
</tr>
<tr>
<td><strong>Copper Adapter Plate Outlet Compatibility</strong></td>
</tr>
<tr>
<td><strong>Color</strong></td>
</tr>
</tbody>
</table>

ORDERING INFORMATION

PPM-SPNL4-01.................PNL, high density, shielded copper/fiber combo, 1U, black
PPM-SMX6-01.................Copper Adapter Plate, 6-port, black

For related product information request Spec Sheet(s):
For ordering information on Fiber Plug & Play Metal Modules please reference High Density 1U Fiber Connect Panel Spec Sheet
Z-MAX® Outlets
MAX® Outlets
TERA® Outlets

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ORDERING INFORMATION

Base 12 Modules

PPM-(XX)-L(X)(XX)-01(X) . . . . Base 12 HD FCP3 LC to MTP modules, black module

Shutter Door Option*
C = Standard LC
S = Shuttered LC

Performance
Blank = Standard Loss
L = Low Loss (OM3/OM4 only)

Fiber Count
12 = 12 Fibers
24 = 24 Fibers

Adapter Plates

PPM-F-(X)(XX)-01 . . . . . High-density FCP3 LC adapter plates, black

Shutter Door Option*
C = Standard LC
S = Shuttered LC

Fiber Count
12 = 12 Fibers
24 = 24 Fibers

Adapter Colour
Blank = Beige
Q = Aqua
E = Erika Violet
U = Blue

Base 8 Modules

PEM(X)24-L(X)(X)(X)(XX)A . . . . 24 Fiber base 8 HD FCP3 LC to MTP modules, grey module

Gender
F = Female
M = Male

Performance
S = Standard LC
L = Low Loss (OM3/OM4 only)

Shutter Door Option*
C = Standard LC
S = Shuttered LC

Fiber Count
12 = 24 Fibers

Performance Specifications (Standard)

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>MAX Insertion (dB)</th>
<th>Min. Return Loss (dB)</th>
<th>Performance Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>5L-MM</td>
<td>0.40</td>
<td>0.25</td>
<td>20 30</td>
</tr>
<tr>
<td>5V-MM</td>
<td>0.40</td>
<td>0.25</td>
<td>20 30</td>
</tr>
<tr>
<td>SM-LWP</td>
<td>0.60</td>
<td>0.40</td>
<td>60 55</td>
</tr>
</tbody>
</table>

Performance Specifications (Low Loss)

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>MAX Insertion (dB)</th>
<th>Min. Return Loss (dB)</th>
<th>Performance Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>5L-MM</td>
<td>0.20</td>
<td>0.15</td>
<td>20 30</td>
</tr>
<tr>
<td>5V-MM</td>
<td>0.20</td>
<td>0.15</td>
<td>20 30</td>
</tr>
</tbody>
</table>

* Optional Shuttered LC adapters feature a small plastic shutter door that opens upon insertion without touching the connector endface and springs back into the closed position upon removal to ensure protection of empty ports.

PERFORMANCE SPECIFICATIONS (STANDARD)

PERFORMANCE SPECIFICATIONS (LOW LOSS)