Champion ONE’s 2x2 Optical Bypass Module is an ideal component for monitoring and protecting OADM and OXC systems during power loss. For additional network continuity, operators can select a delay of up to 120 or 180 seconds before the switch resumes its normal mode after power loss to enable the switch to fully power on before resuming network traffic. Our switches offer high performance and low insertion loss in an efficient package that enables painless integration into high-density optical communication systems. Switches are available in both dual and single fiber versions.

These modules are housed in a LGX enclosure and can fit in a 1RU faceplate (sold separately), which holds up to three LGX modules.

Technical Specifications

STANDARDS AND REGULATORY COMPLIANCE
RoHS compliant

DIMENSIONS AND WEIGHT
130.0mm x 130.0mm x 30.0mm (LxWxH); 510g

OPERATING/STORAGE TEMPERATURE RANGE
-20 to 70°C / -40 to 85°C

WARRANTY
All feature a limited 1-year warranty

NOTES
For part numbering schemes and ordering information, consult “Ordering Guide” on page 3.
Dual Fiber 2x2 Optical

Normal Mode

Outside Plant

West
Rx
Rx
Rx
West
Tx
Tx

East
Rx
Rx
Rx
East
Tx
Tx

2x2 Optical Bypass Module

CPE

West
Rx
Rx
Rx
West
Tx
Tx

East
Rx
Rx
Rx
East
Tx
Tx

Bypass Mode

Outside Plant

West
Rx
Rx
Rx
West
Tx
Tx

East
Rx
Rx
Rx
East
Tx
Tx

2x2 Optical Bypass Module

CPE

West
Rx
Rx
Rx
West
Tx
Tx

East
Rx
Rx
Rx
East
Tx
Tx

Single Fiber 2x2 Optical Switch

Normal Mode

Outside Plant

West
Tx/Rx
Tx/Rx
Tx/Rx
West

East
Tx/Rx
Tx/Rx
Tx/Rx
East

2x2 Optical Bypass Module

CPE

West
Tx/Rx
Tx/Rx
Tx/Rx
West

East
Tx/Rx
Tx/Rx
Tx/Rx
East

Bypass Mode

Outside Plant

West
Tx/Rx
Tx/Rx
Tx/Rx
West

East
Tx/Rx
Tx/Rx
Tx/Rx
East

2x2 Optical Bypass Module

CPE

West
Tx/Rx
Tx/Rx
Tx/Rx
West

East
Tx/Rx
Tx/Rx
Tx/Rx
East
## Ordering Guide

### DUAL FIBER PART NUMBERING SCHEME:

**FMC-MWWV-TFDD-CC(-R2)**

### SINGLE FIBER PART NUMBERING SCHEME:

**FMC-1MWWV-TFDD-CC(-R2)**

<table>
<thead>
<tr>
<th>M</th>
<th>Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>Multi-mode</td>
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<tr>
<td>S</td>
<td>Single-mode</td>
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<table>
<thead>
<tr>
<th>V</th>
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<td>5</td>
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<table>
<thead>
<tr>
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<tr>
<td>25</td>
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<td>90</td>
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<tr>
<th>R2</th>
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<tr>
<td>-R2</td>
<td>0, 120, 180 seconds</td>
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<table>
<thead>
<tr>
<th>WW</th>
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<tbody>
<tr>
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<tr>
<td>31</td>
<td>1310</td>
</tr>
<tr>
<td>49</td>
<td>1490</td>
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<tr>
<td>55</td>
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<td>65</td>
<td>1650</td>
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<tr>
<td>35</td>
<td>1310/1550</td>
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<td>N</td>
<td>Non-Latching</td>
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<table>
<thead>
<tr>
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<tr>
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<tr>
<td>LP</td>
<td>LC/PC</td>
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<tr>
<td>LA</td>
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### Accessories

For convenient deployment in a standard 19" rack, Champion ONE also offers a 1RU Faceplate with 3 LGX slots (ordered separately from mux).

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tbody>
<tr>
<td>C1 Part Number</td>
<td>LGX1R-FACEPLATE</td>
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<tr>
<td>Dimensions</td>
<td>Fits 19&quot; rack x 1 RU (482.6mm x 44mm)</td>
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