

## ClearCube Fiber Transceiver

### A Component of the ClearCube Fiber Optic Extension System

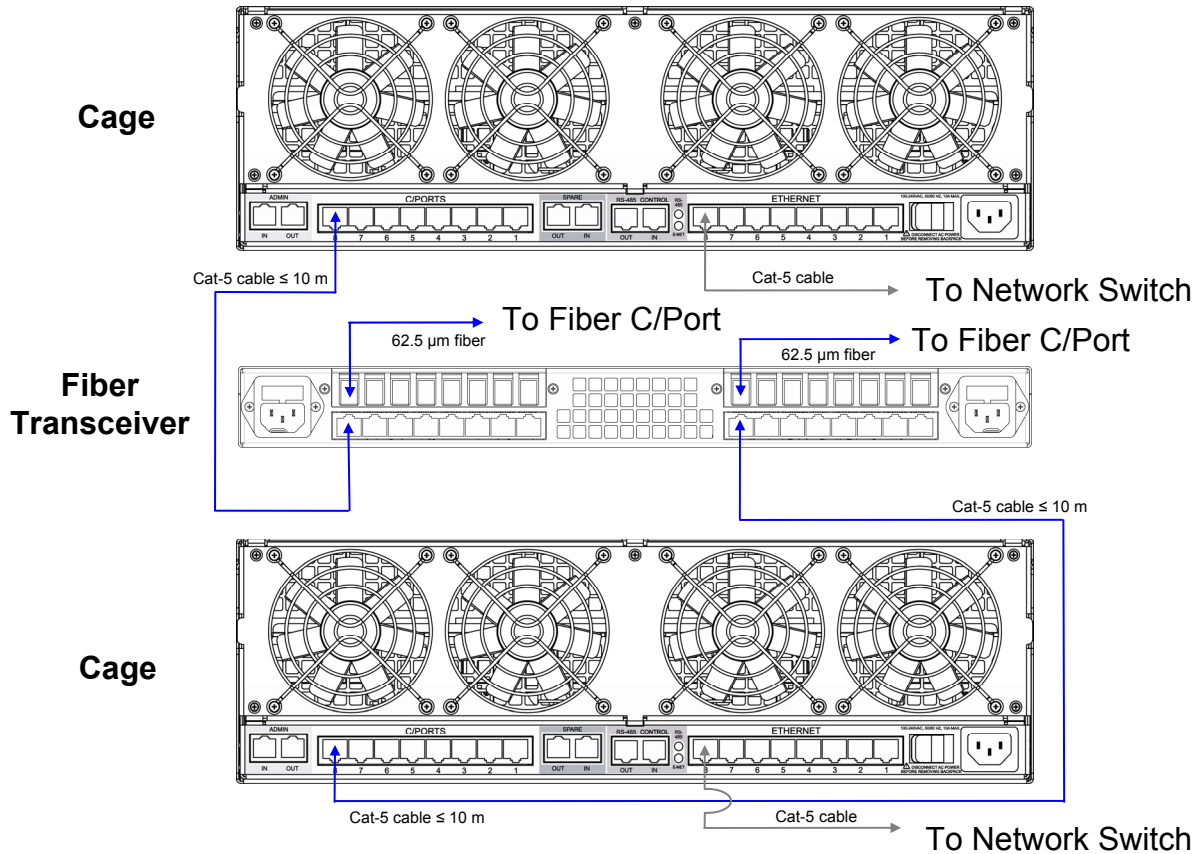
The ClearCube Fiber C/Port and Fiber Transceiver securely extend users' desktops from centralized ClearCube Blades. This point-to-point fiber optic solution supports existing fiber cabling infrastructure that uses a pair of multi-mode fibers for each user. This is the same cabling commonly used for distributed PCs with fiber optic Ethernet cards. Furthermore, these products work with ClearCube's standard Blades, Cages, and BackPacks. ClearCube's centralized architecture paired with this fiber transport system results in an ultra-secure solution for commercial, government and military installations.



The Transceiver works by converting the copper based C/Port signals leaving a Backpack to fiber optic based signals. A single 16-port Transceiver supports two standard ClearCube Cages - or 16 PC Blades. The Transceiver is a 1U high, rack-mounted device that resides between two rack-mounted Cages. The C/Port signals from the ClearCube Cage are looped into the Transceiver over a short Category 5 cable for each Blade. The Transceiver then converts the signal from copper to fiber. Each fiber signal departs the Transceiver in a MT-RJ connection leading into a pair of 62.5  $\mu\text{m}$  multimode fibers. Thus, each user has a dedicated fiber optic path from the data center to the Fiber C/Port located on the user's desktop (up to 500 meters (1640 feet) away).

### Specifications:

<b>Dimensions:</b>	1U (17" W x 30" D x 1.75" H) - Fits standard 19" rack (43.2 cm x 76.2 cm x 4.4 cm)
<b>Rack Height:</b>	1U (1.75") (Rack mount kit included)
<b>Weight:</b>	25 lbs. (11.3 kg)
<b>Fiber Type:</b>	62.5 $\mu\text{m}$ multi-mode, straight through connection fiber
<b>Connector Type:</b>	MT-RJ (dual fiber)
<b>Max Distance:</b>	500 meters (1640 feet)
<b>Max Jumper Length:</b>	Cat 5 jumper between Backpack & Transceiver - max. length 10 meters (33 feet)
<b>Power Supply:</b>	Dual redundant Universal 85-240 VAC input - IEC standard connector
<b>Power Rating:</b>	2A max., 0.5 - 0.7 A nominal at 120V
<b>Environmental:</b>	Stationary installation, 0-35° C ambient temperature
<b>Budget Loss:</b>	3.0 dB max. across entire cable assembly;

**Connection Diagram:**

**Fiber Transceiver/BackPack Connection Diagram**
**Ordering Information**

Use the following part numbers to order your Fiber Transceiver:

091018 – Fiber Transceiver

**Power Cord (Required)**

060036 – North American Power Cord

060020 – UK Power Cord

060034 – European Power Cord

060037 – Japanese Power Cord