

## C7420 Model Digital C/Port

### Ultra-Secure High-End Performance in Centralized Computing

Take advantage of an ultra-secure computing solution that delivers full performance video unhindered by distance with the dual monitor-capable ClearCube C7420 Digital Fiber C/Port and centralized PC blades.

The C7420 C/Port enables organizations to centralize computing resources and provide end users with consistent and reliable computing power via a direct-connect fiber, or through an IP connection that is separate from the OS, ensuring proper disaster recovery practices, increasing IT security and reducing IT management costs



The C7420 C/Port is connected to ClearCube PC blades through an F6151 digital fiber optic transceiver, with 62.5 $\mu$ m or 50 $\mu$ m fibers – the same cabling used for distributed PCs with fiber optic Ethernet cards. When deployed using a secure point-to-point fiber connection, data displayed to the desktop will not co-mingle with any network traffic, and users cannot disconnect the fiber for use with a PC or notebook.

#### High Performance, Optimal Quality

ClearCube's transparent desktop extension technology leverages new Teradici PCoIP™ technology to enable C7420 desktop clients to break the distance barrier, delivering a "perfect" high-end PC experience via the network for up to two monitors, while transparently redirecting USB from the desktop back to the PC blade. The blades for employ Intel® Core™2 Quad or Intel Core™2 Duo desktop processors. The resulting end-to-end digital video produces optimal desktop display quality.

Connection brokering and settings for the C7420 C/Port are handled by the ClearCube Sentral™ management software. The addition of the C7420 gives the ClearCube centralized computing solution users the ability to mix and manage both physical PC blades and VMware-enabled virtual machines from anywhere, regardless of employee location.

#### C7420 Digital Fiber C/Port Benefits

- Delivers full desktop quality computing experience via a digital connection
- Fully managed through the ClearCube Sentral™ management software
- Centralizes PC resources in a single, secure location
- Direct or IP switch network capability
- Increases security of physical and data assets
- Helps ensure disaster recovery practices
- Dramatically reduces management costs and complexity
- Provides the ideal quick-deploy/redeploy solution
- Provides all the benefits of a standard PC with no noise, less heat, and less

### Full PC Experience Over-IP

The C7420 C/Port delivers simultaneous full screen, full motion video at high resolution on one or two monitors. Each monitor is independently configurable for both resolution and choice of portrait or landscape orientation.

### Simple Installation, Secure Hardware

The C7420 C/Port requires no special OS drivers. There are no moving parts that can fail and no removable parts that encourage user tampering/theft. The units easily connect all standard peripherals including multiple monitors, keyboard, mouse, audio input/output devices and USB peripherals – including isochronous USB devices like web cameras. A reset/power button is located on the back of C7420 C/Ports, and it can be selectively configured to allow or disallow users to power down or reset the connected blade. A separate LED link light indicates when the unit has an active connection to a PC blade. Advanced configuration options allow specific management of USB devices allowed including entire classes such as USB mass storage devices.

The C7420 takes advantage of small form factor pluggable (SFP) single or multimode fiber optic modules, which offer users small size, easy termination and broad industry support. The ClearCube centralized architecture paired with fiber optic transport creates a high performance ultra-secure solution for commercial, government and military installations.

### Specifications

<b>Dimensions:</b>	1.6 inches H x 9.5 inches W x 5.2 inches D
<b>Operating System:</b>	None
<b>Fiber Type:</b>	62.5 µm or 50 µm fiber
<b>Distance:</b>	Up to 2,000 meters direct connect (3000 miles over IP network)
<b>Video:</b>	Supports 1 or 2 monitors at 32 bit color depth and up to 1600x1200 @ 60 Hz
<b>Connections:</b>	4 USB ports (2 on front and 2 on back) 2 DVI-I digital video ports HD Audio Out and Audio In 10/100 Mbps LC Fiber SFP module Power connection for auto-sensing power adapter
<b>Power Supply:</b>	Universal 100-240 VAC, 50-60Hz
<b>Max Consumption:</b>	15W
<b>Shipping Weight:</b>	3 pounds (6.82 kg)
<b>Environment:</b>	Stationary office installation, 0° to 35° C

G0400039 Rev E

### Ordering Information

Use the following part numbers to order your C7420 Digital Fiber C/Port:

#### C/Port

G0900015 Model C7420 Digital Fiber C/Port

*Note: Must have system with a V5120 Digital Dual Video Host Card on the an accessible network*

#### Accessories

G0600024 – Digital User Port Power Cord – NA

G0600028 – Digital User Port Power Cord – Euro

G0600029 – Digital User Port Power Cord – UK

GF6150-160 – Digital Fiber Transceiver Bundle – required for direct connect model or when connecting C/Port to non-fiber switch