



FiberLink® 6000 & 6000A



Rackmountable Card Cage Installation and Operations Manual

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Welcome

Thank you for purchasing Artel Video Systems FiberLink Rackmountable Card Cage. The Model 6000A card cage is a rack-mountable enclosure designed to accommodate up to 20 single-width plug-in FiberLink transmission modules (or cards). Measuring 19 inches wide by 5 1/4 inches high, this unit may be used with either a model 6010 universal switching plug-in power supply or with an external customer-provided power source.

When used with the Model 6010 universal switching power supply, 17 positions are available for product modules. When used with an external power source, all 20 positions are available. Redundant operation can be achieved by inserting more than one power supply into the card cage. Each additional power supply will use three of the remaining positions.

This card cage is certified to meet the safety and EMI requirements of most regulatory agencies in the US, Canada and abroad.

Features

- Optional alarm module indicates fault condition via an audible piezo sounder, blinking red LED and activation of isolated contacts for use with remote monitoring
- Optical signal input and output connectors on each card module are at the rear of the card cage.
- May be powered with optional 3-position plug-in power supply or with an external, customer-provided power source
- Two power supplies may be used to provide redundant power
- Single and multiple position blank filler panels are available to conceal positions not in use
- ROHS Compliant

Package Contents

- One FiberLink 6000A Card Cage
- This User's Manual

Technical Specifications

Model Part Number Specification

Number of Available Positions (less power supply)	20
Number of Available Positions (with single power supply)	17
Finish	Clear Irridited Aluminum
Physical Size	19W x 5.25H x 10D inches)
Operating Temperature Range	-40 to + 75 degrees, C
Optional External Power Input *	+10 to +12 VDC
Maximum Allowable External Input Current	10 Amperes

* The external power input connector is reverse-polarity protected.

1. The Model 6000A card cage may be mounted in a standard EIA 19 inch rack frame. When possible, allow at least 1 to 2 inches of clearance from other equipment for proper ventilation.
2. If the card cage is to be used with the Model 6010A universal switching power supply, plug the power supply into the card cage in the position desired. If redundant operation is desired, plug in any additional power supplies as well.
3. Plug a suitable line cord into the rear IEC power connector of each Model 6010A power supply being used.
4. If the Model 6000A is to be used with external power, a +10 to +12 volt DC source is recommended. External power sources must provide any necessary protective fuses or circuit breakers. Connect the external source to the terminal block on the rear of the card cage as follows:

Position 1	DC Return
Position 2	+10 to +12 VDC @ at up to 10 amperes (as required)
Position 3	Case Ground (Normally isolated from position 1)

Note that a separate ground stud is provided for use when a direct connection to the card cage frame is desired.

If using an external power supply, do not exceed an input of 14 Volts DC or allow more than 10 amperes to flow into the card cage. Doing so may damage the product modules.

5. Plug any desired FiberLink transmission modules into any free positions.
6. Make all optical and signal connections at the rear of the card cage.
7. If a Model 6010A universal switching power supply is being used, use the front panel switch to turn on the power. The power indicator LED will illuminate when power is present. If an external power source is being used, use the controls on that source to turn power on and off.

For instructions on the use of specific transmission modules used with the card cage system, refer to the manuals that came with each module. Unless otherwise indicated, all information and specifications provided in those manuals apply when using the modules with the Model 6000A card cage.

Products and Accessories

The following products are available for use with your card cage:

- Plug-in fault-sensing alarm module
- Blank filler plates (for single and multiple positions)
- Wall mounting brackets

Contact our sales department for further details on these and other accessories.

Certifications



Proven Products, Unrivalled Service, and Great Support



- High performance plug and play products
- Stand alone and card cage versions available
- Solutions for most video, audio, and data formats
- Multimode and single mode versions
- Designed and manufactured in the USA
- Training and installation support available
- 24x7x365 technical support available



Artel Video Systems Corp.
5B Lyberty Way,
Westford, MA 01886 USA
T: 978-263-5775
F: 978-263-9755
sales@artel.com
customercare@artel.com
www.artel.com

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