



## InfinityLink IL6000 Media Transport Chassis



**InfinityLink provides broadcast-quality transport of video, audio, and data across IP- and fiber-based networks and optical backbones in an integrated modular solution leveraging Artel's 30 years of media transport experience.**

Designed specifically to meet the unique requirements of broadcast video transport, InfinityLink features a 4-slot, 1-RU chassis; multi-purpose, single-piece function modules with front panel accessible status LEDs and video monitor ports; and external optics in all standard wavelengths for each module. InfinityLink is one of the most flexible and dependable video transport platforms.

The IL6000 chassis features an advanced design combining modular-based transport functionalities with internal routing capabilities for video and Ethernet traffic. By eliminating external cross connects while

staying in native video or Ethernet format, the IL6000 streamlines routing and rerouting of video and Ethernet traffic, reducing operational expenses, and providing an ideal solution for remote sites where immediate and timely reconfiguration is required via EMS or NMS. It's simplicity of design, flexibility, and ease-of-use make InfinityLink an ideal solution for use by broadcasters, networks, studios, and other organizations for their critical contribution feeds of major sporting, news, and live events, and other applications where advanced switching and management are a requirement and cost and space a concern.

### IL6000 Chassis, 1RU, 4 Slot Chassis, Management, Routing and Dual Power Supplies



## OVERVIEW

### Applications

- Video-Over-IP
- Video-Over-Fiber
- Video-Over-Optical Networks
- Video Routing
- Ethernet Transport
- Ethernet Switching
- Optical Multiplexing
- L-Band Demodulator
- Satellite Scanner
- Audio Embedding and Transport
- Circuit Verification

### Formats supported

- 2.967 Gb/s 3G-SDI (SMPTE 424M)
- 1.485 Gb/s HD-SDI (SMPTE 292M)
  - SD-SDI (SMPTE 259M-C, ITU 656)
  - SDTI (SMPTE 305M)
- DVB-ASI
- Other 270 Mb/s video services
- Composite analog video & audio (NTSC, PAL)
- 19.39 Mb/s ATSC (SMPTE 310M)
- 10/100/1000/10000 Ethernet

### Chassis features

- Simplified deployment and configuration
- Space efficient: 4 function modules in 1 RU, 10.5" deep
- Unlimited, stackable non-spaced deployment.
- Rear outlet cooling, with quiet operation of variable fans
- Low power
- Dual AC power supplies
- Internal video and Ethernet interconnect
- On-board SNMPv2 and HTTP element management system (EMS)

### Module features

- Single-piece, hot-swappable function modules
- Front panel status LEDs and video monitoring
- Common set of external removable optics
- Available WDM, CWDM, and DWDM channels
- Configured with on-board switches or InfinityLink Manager
- Multi-purpose, multi-format

### Certifications

- CSA 60950
- EN60950
- FCC Part 15 (Class A)
- CISPR 22

## INFINITYLINK CHASSIS SPECIFICATIONS

### General Specifications

Number of function module slots	4
Power supplies	2 AC integrated
Cooling	Active fan
Chassis dimensions (h, w, d)	1.75" x 17.0" x 10.5"
Chassis wt. (Fully populated)	<10 lbs
Operating temperature	0 to 50° C
Relative humidity	10 to 95% (non-condensing)
Ambient storage	-40 to 80° C
Module-to-module internal connection	Yes, full 20x20, non-blocking.
Remote monitoring and management	via IL Manager

### Regulatory Conformance

Compliance	CSA 60950, EN60950, EN55022, FCC Part 15 (Class A), CISPR 22
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### AC Power Supply Specifications

Input voltage	90 to 254 VAC at 50 or 60 Hz
Power consumption (max)	100 Watts (per chassis)
Current (max)	1.8 amps
BTU/hr (max)	340



Front panel monitoring and status display



Integrated chassis management and dual AC power supplies

AR206-006000-00\_D



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All specifications subject to change without notice. ©2017



Schedule  
Contract GS-03F-016CA

### Ordering Information

Model	Description	Part #
IL6000	1RU, 4 Slot Chassis, Management, Routing and Dual Power Supplies	390-006000-00

### Sales



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