Allied Telesis

AT-CV5001
Converteon™ Chassis

AT-CV5001
18 slot Converteon chassis

Overview
The AT-CV5001 is one of a family of metal chassis designed to house 1, 2 or 18 Converteon media blades. The AT-CV5001 is the 18 slot chassis, AT-CV1203 is the two slot chassis and AT-CV1000 is the one slot chassis.

Power Options and Redundancy
All the Converteon power supplies are hot swappable and modular, installing two into a chassis provides redundancy should a single power supply fail. In an unmanaged chassis, the status of each power is displayed via an LED indicator on the front panel. A fully loaded chassis can run continuously with only one power module fitted into the chassis. Built-in intelligent fan speed auto adjustment algorithm based on the chassis temperature monitoring. Software generates SNMP trap when chassis temperature exceeds 65°C. Software also generates SNMP trap when FAN speed is below 2647 RPM.

Network Management
The AT-CV5001 chassis can operate in an unmanaged mode, by the installation of any number of media blades. Blades will be configured manually using DIP switches located on each blade. Alternatively, an SNMP management card can be installed into one of the slots in the chassis, which will provide a network administrator with the ability to configure and monitor the status of the blades. Management can be achieved locally over RS232, or over the network by Telnet or SNMP.

If the blades support Ethernet in the First Mile (IEEE 802.3ah), then the management module can also configure and monitor the status of a remote blade.
• AT-CV5M02   Management card

Chassis Status
If the AT-CV5001 has a management card installed, then a network administrator can also check the status of the chassis, the status of the fans and the power supply modules. By ensuring the continued performance of all components in the chassis, the overall reliability of the network can be improved.

Protocol Agnostic
The AT-CV5001 chassis has been designed to be protocol, and speed agnostic. This allows network administrators to deploy the chassis in a wide range of network topologies in addition to only Ethernet-based networks. Technologies supported by the chassis include Ethernet, Fast Ethernet, Gigabit, E1/T1 and serial communications.

Hassle Free Support
The Allied Telesis AT-CV5001 Converteon chassis offers free technical support, ensuring trouble-free installation.

Key Features

• 18 slot media and rate converter chassis

• Single, or optional redundant power supplies

• Hot swappable power supplies

• AC and DC power options

• Support for unmanaged or managed operation

• Requires only 2RU of rack space

• 19" rack-mountable

Technical Specifications

Status Indicators

LED	State	Description
PS-A	Green	Power supply in slot A is operating normally.
	Off	Power supply in slot A is OFF, not present, or has failed.
PS-B	Green	Power supply in slot B is operating normally.
	Off	Power supply in slot B is OFF, not present, or has failed.
FAN-A	Green	Fan of PS-A is operating normally.
	Off	Fan of PS-A is OFF or has failed.
FAN-B	Green	Fan of PS-B is operating normally.
	Off	Fan of PS-B is OFF or has failed.

Physical Specifications

AT-CV5001-00 (with LED card and rear panel; no front panel and PS)

Dimensions: (W x D x H)	44cm x 34.3cm x 8.9cm (17.31" x 13.5" x 3.5")
Weight:	5.54kg (12.20lbs)

AT-CV5001-00 (AC/DC)

Dimensions: (W x D x H)	19.1cm x 19.1cm x 6.7cm (7.5" x 7.5" x 2.62")
Weight:	1.72kg (3.80lbs)

Power Characteristics

AC input voltage:	100 ~ 240V AC 3A, 50/60Hz 140W max.
DC input voltage:	30 ~ 60vDC, 6A, 140W max.

Environmental Specifications

Maximum operating temperature:	0°C to 40°C (32°F to 104°F)
Maximum storage temperature:	-25°C to 70°C (-13°F to 158°F)
Operating and storage altitude:	Up to 3,048 meters (10,000 feet)
Relative humidity operating:	5% to 90% non-condensing

Relative humidity storage: 5% to 95% non-condensing

Predicted MTBF (Telcordia SR332): 64,000 hrs

Standards

EMI part 15:
FCC class A, EN55022 class A, VCCI class A, C-Tick, CE

Immunity:
EN55024

Safety:
UL60950-1 (cULUS), EN60950-1 (TUV)

Ordering Information

AT-CV5001-00
18-slot AC chassis with no power supply

AT-CV5001AC-60
AC power module for AT-CV5001 chassis

AT-CV5001DC-80
DC power module for AT-CV5001 chassis

Associated Products

AT-CV5M02
SNMP management module for AT-CV5001 chassis

AT-CV1000-xx
Single slot Converteon chassis

AT-CV1203-xx
Two slot Converteon chassis

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