



AT-CV5000 Convertreon™ Chassis

AT-CV5000

18 Slot Convertreon™ Chassis

Overview

The AT-CV5000 is one of a family of metal chassis designed to house the range of Convertreon™ media blades, from one to 18 blades. The AT-CV5000 is an eighteen blade chassis.

Power Options

The AT-CV5000 chassis is available in two options, one supporting AC power; the other - 48vDC. All the Convertreon™ power supplies are hot-swappable and modular; installing 2 into a chassis provides redundancy should a single power supply fail. In an un-managed chassis, the status of each power is displayed via a LED indicator on the front panel, and via an LED on the power supply module at the rear. A fully loaded chassis can run continuously with only one power module fitted into the chassis. Power supply modules are:

- AT-PWR14 AC Power Module
- AT-PWR15 -48vDC Power Module

Redundancy

To further increase system reliability, the AT-CV5000 chassis is fitted with two hot-swappable fan modules. Both fan modules can be easily removed from the rear of the chassis, without interruption to the operation of the line cards. A fully loaded chassis can run continuously with only one fan module fitted into the chassis

- AT-CVFAN Fan module

Network Management

The AT-CV5000 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 (IEEE802.3ah), then the management module can also configure and monitor the status of a remote blade.

- AT-CM501 Management Card

Chassis Status

If the AT-CV5000 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-CV5000 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 & Serial communications.

Future Expansion

The AT-CV5000 chassis has been designed with the future in mind, with the inclusion of a rear mounted expansion slot. In this slot can be fitted say, a switching module, which could convert the chassis from a media converter, to a multi-port switch, with each port having a modular interface.

Hassle Free Support

The Allied Telesyn AT-CV5000 Convertreon™ chassis has a 2 year warranty and free technical support, ensuring trouble-free installation.

Key Features

- 18 Slot Media and Rate Converter chassis
- AC or -48vDC power supply options
- Single, or optional redundant power supplies
- Hot Swappable power supplies
- Hot Swappable Fan modules
- Support for unmanaged, or managed operation
- Requires only 2RU of rack space
- 19" and 23" rack mountable

AT-CV5000 | 18 Slot Converteon™ Chassis

TECHNICAL SPECIFICATIONS

Status Indicators

LED	State	Description
RDY (For future use)	Green	The module installed in the rear expansion slot has passed diagnostics and is ready.
	Off	The module installed in the rear expansion slot has failed diagnostics and is not ready, or is not installed.
MSTR (For future use)	Green	This AT-CV5000 chassis is acting as a Stacking Master (via a module installed in the rear expansion slot.)
	Off	This AT-CV5000 chassis is not a Stacking Master.
FLT (For future use)	Green	The module installed in the rear expansion slot has experienced fault condition, or is not installed.
	Off	The module installed in the rear expansion slot has reported no fault condition.
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 module in fan tray slot A is operating normally.
	Off	Fan module in fan tray slot A is OFF, not present, or has failed.
FAN-B	Green	Fan module in fan tray slot B is operating normally.
	Off	Fan module in fan tray slot B is OFF, not present, or has failed.

Connectors

The front panel features an RS232 (DB9) connector, which will be used to provide connectivity to a rear mounted expansion card in the future.

Physical Specifications

Dimensions: W x D x H
34.25cm x 44.05cm x 8.68cm
(13.49" x 17.35" x 3.42")

Weight: 6.12 kg (13.5 lbs)

Power Characteristics

AC Input Voltage:
90 ~ 240 VAC 47/63Hz
AC Input Current:
90-120 VAC (3.6A)
200-240 VAC (1.57A)

DC Input Voltage: -36 to -72V
DC Input Current: 8.7A 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)

Safety and Electromagnetic Emissions Certifications

EMI:
FCC Class A, EN55022 Class A, VCCI Class A, C-TICK, CE

Immunity:
EN55024

Safety:
UL60950 (CULUS), EN60950 (TUV), CSA22.2 No. 950

Quality and Reliability:
MTBF > 100,000 hrs.

Ordering Information

AT-CV5000-xx
18 slot chassis

Where xx =	
10	AT-PWR14 (AC) power module factory installed with US power cord
30	AT-PWR14 (AC) power module factory installed with US power cord
40	AT-PWR14 (AC) power module factory installed with US power cord
50	AT-PWR14 (AC) power module factory installed with US power cord
80	AT-PWR15 (-48VDC) power module factory installed

Associated Products

AT-PWR14
Optional AC Redundant Power module for AT-CV5000 chassis

AT-PWR15
Optional -48VDC Redundant Power module for AT-CV5000 chassis

AT-CVFAN
Replacement fan module for AT-CV5000 chassis

AT-CV5M01
SNMP Management module for AT-CV5000 chassis

AT-CV1000-xx
Single slot Converteon™ chassis

AT-CV1200-xx
Two slot Converteon™ chassis

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