Allied Telesis™

AT-CV5000
Converteon™ Chassis

AT-CV5000
18 slot Converteon chassis

Overview
The AT-CV5000 is one of a family of metal chassis designed to house 1, 2 or 18 Converteon media blades. The AT-CV5000 is the 18 slot chassis, AT-CV1203 is the two slot chassis and AT-CV1000 is the one slot chassis.

Power Options
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, 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.

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 (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-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 and serial communications.

Hassle Free Support
The Allied Telesis AT-CV5000 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

• Hot swappable fan modules

• Support for unmanaged or managed operation

• Requires only 2RU of rack space

• 19" rack-mountable

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:	7.5kg (16.6lbs) w/o P/S

Power Characteristics

AC input voltage:	90 ~ 240V AC 47/63Hz
AC input current:	90-120V AC (3.6A) 200-240V AC (1.57A)

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-CV5000-00
18-slot AC chassis with no power supply

AT-PWR14
AC redundant power module for AT-CV5000 chassis

Associated Products

AT-CVFAN
Replacement fan module for AT-CV5000 chassis

AT-CV5M02
SNMP management module for AT-CV5000 chassis

AT-CV1000-xx
Single slot Converteon chassis

AT-CV1203-xx
Two slot Converteon chassis

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