AT-S70 Version 1.7.0
Management Software for the
Converteon™ Media Converter Products
Software Release Notes

Please read this document before you begin to use the management software.

Supported Platforms

The AT-S70 Version 1.7.0 is supported on the Converteon™ Media Converter products.

Converteon™ Chassis

- ❑   AT-CV5000
- ❑   AT-CV1000
- ❑   AT-CV1200

Converteon™ Line Cards

- ❑   AT-CM201
- ❑   AT-CM202
- ❑   AT-CM202/1
- ❑   AT-CM202/2
- ❑   AT-CM212A/1
- ❑   AT-CM212B/1
- ❑   AT-CM70S
- ❑   AT-CM2K0S
- ❑   AT-CV101
- ❑   AT-CV102
- ❑   AT-CV102/1
- ❑   AT-CV102/2
- ❑   AT-CV1KSS

Power supplies and other modules

- ❑   AT-PWR14
- ❑   AT-PWR15
- ❑   AT-CV5M01
- ❑   AT-CV5LED

Product Documentation

For hardware installation instructions, refer to the following guides:

- ❑   *AT-CV5000 Chassis Installation Guide* (PN 613-000586)
- ❑   *AT-CV1200 Chassis Installation Guide* (PN 613-000331)
- ❑   *AT-CV1000 Chassis Installation Guide* (PN 613-50582-00)

❐   *Converteon™ Line Cards Quick Install Guides* (PN varies)

❐   *Converteon™ Line Cards Reference Guide* (PN 613-50581-00)

For management instructions, refer to the following guide:

❐   *AT-S70 Management Software User's Guide* (PN 613-000655)

All documents are available from the Allied Telesis web site at **www.alliedtelesis.com**.

What's New in Version 1.7.0

This section describes what's new in the AT-S70 Management Software Version 1.7.0.

Software Features

❐   The capability for OAM-based downloading of future AT-S73 software releases to a remote AT-CMxxx series line card is now provided. However, for this feature to be available, you must upgrade ALL AT-CMxxx series line cards—both local and remote—to Version 1.7.0 using a local management connection. Upgrade the bootloader first, and then the image file. After you have upgraded the line cards to Version 1.7.0, remote downloading is available for future software releases.

Hardware Features

❐   No new hardware features were added in this release.

Known Issues

❐   **The system date and time are not the "real" date and time.** They appear to be dependent on the system run time. For example, if the date and time are configured and the system reboots, the date and time reset back to "0", and accumulate with system run time. (2700) As a workaround, after resetting the system, the user can input the actual date and time via the system menu.

❐   **Local download to the AT-CM70S line card sometimes fails.** (5599) Downloading the image file to an AT-CM70S line card in a local chassis sometimes fails with error messages that include:

```
Image Download To LineCard Failed
```

As a workaround, make a local connection to the console port on the AT-CM70S line card and use Xmodem to download the image file.

Resolved Issues

The following issues were resolved in AT-S70 Version 1.7.0.

❐   **Event Log does not display when the CPM card is reset.** When the user resets the CPM/Line Card from the Module Status and Config Menu, the event does not get logged in the Event Log menu. (4082) This issue has been resolved.

❐   **Port A (SFP) of AT-CM70S cannot be disabled.** (4415) This issue has been resolved.

❐   **Incorrect fan messages.** When an individual fan stops within the AT-CV5000 chassis, an SNMP trap is sent indicating a fan module has been removed instead of indicating a fan failure. In addition, when the fan resumes an SNMP trap is sent indicating a fan module has been installed instead of indicating a fan recovery for this event. (4480) This issue has been resolved.

❐   **Incorrect sysOID.** When using the SNMP interface, the same sysOID is returned by both the AT-CV5000 and the AT-CV1200 chassis. (4997) This issue has been resolved.

❐   **Incorrect link LED action for SFP port.** If an AT-CM2K0S line card has a single mode SFP (LX) module installed and the fiber cable is plugged in and then unplugged multiple times, the fiber link LED may stay on when the cable is unplugged and the Port A module status may show "ON-LINE." (5017, 5073) This issue has been resolved.

❑ **Incorrect link LED action on the copper port.** When using the OAM feature to access a remote module, do not disable the remote port. If you do disable the remote port, no remote recovery is possible via the OAM interface. (5099) This issue has been resolved.

Features History

This section describes the features history for the AT-S70 Management Software.

Version 1.6.0

This section lists new hardware and software features supported in AT-S70 Version 1.6.0.

Software Features

❑ No new software features were added in this release.

Hardware Features

❑ No new hardware features were added in this release.

Known Issues

❑ **The system date and time are not the "real" date and time.** They appear to be dependent on the system run time. For example, if the date and time are configured and the system reboots, the date and time reset back to "0", and accumulate with system run time. (2700) As a workaround, after resetting the system, the user can input the actual date and time via the system menu.

❑ **Event Log does not display when the CPM card is reset.** When the user reset the CPM/Line Card from the Module Status and Config Menu, the event does not get logged in the Event Log menu. (4082) As a workaround, reset the CPM or line card; then view the Event Log from the Administration Menu.

❑ **Port A (SFP) of AT-CM70S cannot be disabled.** (4415)

❑ **Incorrect fan messages.** When an individual fan stops within the AT-CV5000 chassis, an SNMP trap is sent indicating a fan module has been removed instead of indicating a fan failure. In addition, when the fan resumes an SNMP trap is sent indicating a fan module has been installed instead of indicating a fan recovery for this event. (4480)

❑ **Incorrect sysOID.** When using the SNMP interface, the same sysOID is returned by both the AT-CV5000 and the AT-CV1200 chassis. (4997)

❑ **Incorrect link LED action for copper port.** When an AT-CM2K0S line card is in the Missing Link mode and the link for the copper port (RJ-45) goes down, the fiber activity (AT) LED illuminates to a solid green with no traffic present. (5092)

❑ **Incorrect link LED action for SFP port.** If an AT-CM2K0S line card has a single mode SFP (LX) module installed and the fiber cable is plugged in and then unplugged multiple times, the fiber link LED may stay on when the cable is unplugged and the Port A module status may show "ON-LINE." (5017, 5073) Any of the following workarounds will resolve this issue:

— By plugging the fiber cable into the SFP port and unplugging it once more, the fiber link LED will go off.

— By unplugging the copper cable from the RJ-45 connector, the fiber LED will go off.

— By performing a hardware reset for the AT-CM2K0S line card, the fiber LED will go off.

❑ **Issue with remote recovery.** When using the OAM feature to access a remote module, do not disable the remote port. If you do disable the remote port, no remote recovery is possible via the OAM interface. (5099) As a workaround, re-enable the fiber port at the remote site via the local management software.

Operational Notes

❒ AT-CV Series line cards support jumbo frames and the AT-CM Series line cards support up to the maximum frame size of 1518 bytes (untagged).

❒ For MissingLink feature in the AT-CM202 and AT-CM212 line cards to function properly, after connecting a cable (linked) to any port on the line card, it takes up to 3 seconds for the port's LINK LEDs to turn ON.

❒ If you receive a line card where its mode switches do not function or are disabled, that line card may be configured in an Operating Mode other than "Line Card Management Mode". As a workaround, if you have an AT-CV5M01 Control Processor Module (CPM) card installed in your system, you need to reconfigure the Operating Mode of the line card to "Line Card Management Mode" via the management interface. If you do not have an AT-CV5M01 CPM card in your system, contact Allied Telesis technical support at www.alliedtelesis.com.

❒ The following parameters are fixed on the AT-CV1xx Series modules and you cannot change them through the management interface:

— Auto-Negotiation

— Port Enable/Disable on the copper port.

❒ The following parameters can be changed on the AT-CV1xx Series modules through the management interface:

— Link Test

— MissingLink^{TM}

— Smart MissingLink

— Line Card Management Mode

❒ If your AT-CV5000 chassis has an AT-CV5M01 CPM card with ten or more line modules, you should wait up to 10 minutes after applying power to the chassis before you proceed with configuring and managing each of the modules. This allows time for the initial detection of the modules and for the correct status to be displayed for each module in the management software. If you do not have an AT-CV5M01 CPM card installed, then this note does not apply.

❒ If you are adding more modules to an operational AT-CV5000 chassis or hot-swapping modules, it is recommended to install each additional module one at a time and wait until the module status is properly displayed in the management software before adding the next module.

❒ Prior to installing the AT-CM70S module into an AT-CV1200 chassis, the UART configuration setting must be set to the UART Local Console Mode. (The UART Local Console Module is the factory default setting of the module.) If the AT-CM70S module is reconfigured via the AT-S70 management software in the AT-CV5000 chassis to the UART Backplane Mode and is then transferred to an AT-CV1200 chassis, it will not function properly. (5015) As a workaround, before transferring an AT-CM70S module from an AT-CV5000 chassis to an AT-CV1200 chassis, reconfigure the UART configuration setting to the UART Local Console Mode. Refer to the *AT-S70 Management Software User's Guide* for assistance.

Version 1.5.0

❒ None

Version 1.4.0

❒ None

Version 1.3.0

AT-S70 Version 1.3.0 introduced the following new features:

❒ SNMP, v3

❐ T1/E1 Configuration and Status (for AT-CM70S only)

Version 1.2.0

AT-S70 Version 1.2.0 introduced the following new features:

❐ Redundant CPM (Manual and Automatic CPM Switchover)

❐ ATI Proprietary Remote Management with Remote Port Configuration Included

❐ Smart MissingLink

❐ SFP Information

Version 1.1.0

AT-S70 Version 1.1.0 introduced the following new features:

❐ Event Log

❐ Syslog (RFC 3164 - BSD Syslog Protocol)

❐ User Configurable for Operating Mode via User Interface

❐ MissingLink capability for AT-CM202 Line Card

Version 1.0.0

AT-S70 Version 1.0.0 introduced the following new features:

❐ Chassis, CPM card and line card monitoring and diagnostics

❐ Telnet and SNMP management

❐ Xmodem and TFTP software downloads

❐ DHCP

❐ Activity Monitor

❐ IEEE 802.3ah OAM Compatible

❐ ATI Proprietary Remote Status

Resolved Issues History

This section lists the resolved issues history for the AT-S70 Management Software.

Version 1.5.0

The following issues were resolved in AT-S70 Version 1.5.0.

❐ **Maximum packet size supported by AT-CM Series line cards**. In AT-S70 V1.4.0, the maximum packet size supported by AT-CM Series line cards is 1518 (untagged) and 1522 (tagged). (4513)

❐ **AT-CM2K0S intermittent issues related to ML/SML.** The AT-CM2K0S may have intermittent issues after the fiber or copper cable is unplugged and plugged back in while in the OAM mode. Also, the AT-CM2K0S may have intermittent issues after the Operating Mode configuration has been reconfigured. This issue is most prevalent when the Operating Mode is changed to either MissingLink (ML) or Smart MissingLink (SML) (4462, 4586).

Version 1.4.0

The following issues were resolved in AT-S70 Version 1.4.0.

❐ **Converteon AT-CV5000 Chassis Shows Wrong FAN Info.** If the fan module is not present, the Fan Status in the Diagnostics Menu is displayed as "Failed". (2759) The workaround is to reset the system time and date after a system reboot.

❒ **OAM Mode Changes Not Taking Effect When Changed.** Changes to OAM mode (Active/Passive) do not take effect when changed. As a workaround, toggle the Administration state to disable, then re-enable. (3318)

❒ **AT-CM2xx Series Line Cards May Experience Packet Loss.** The AT-CM2xx Series line cards may experience a packet loss when used in a managed environment with AT-CV5M01 CPM card and the AT-CV5000 chassis. (4219) AT-CM2xx Series line cards have no issues in an unmanaged environment.

Version 1.3.0

The following issues were resolved in AT-S70 Version 1.3.0.

❒ **Line Cards Take Several Retries to Transfer New Software.** When downloading AT-S73 software to individual line cards, kilobyte accumulation may pause, and an 'Ack not received' message may be displayed. This indicates an interruption in the transmission from the CPM to the line cards. The system will automatically re-establish transmission and continue updating the line card software (3124).

❒ **Switching Port Configuration From Auto to Full/Half-Duplex Does Not Take on First Attempt.** When switching a line card port configuration from Auto-Negotiate to full or half-duplex, the software cursor may not move and highlight the selected option. When this occurs, the duplex setting (full or half) needs to be selected and confirmed (by pressing the Enter key) one more time. Proper cursor placement and selection highlighting confirm the configuration update (3183).

❒ **MissingLink Feature Behaves Incorrectly During Initial Power-Up State.** During the initial power-up state, if the fiber port is connected before the copper port, it will cause the MissingLink feature to behave incorrectly later on. (3257) For the MissingLink feature to function correctly, do the following:

— Make sure the copper and fiber ports are not connected (not linked) during the initial line card power-up.

— Connect the copper port before the fiber port during the initial line card power-up.

❒ **Module Status/Configuration Display Text Changes When Line Card Experiences Interruption.** The module status/configuration display text may change when the line card is experiencing an interrupt (e.g. line card insertion, line card removal, port up, port down, etc…). (3258)

❒ **Periodic 0x1858 Packets Seen from AT-CM Series Line Cards.** Periodic 0x1858 packets related to in-band management may be seen from the copper ports of the AT-CM Series line cards. (3315)

Version 1.2.0

The following issues were resolved in AT-S70 Version 1.2.0.

❒ **OAM Configuration Menu Displays Erroneous Menu Selections.** When a port is configured in OAM Enabled/Active mode and the link status changes to either "Link" or "No Link", the OAM Configuration menu can display erroneous menu selections when the user scrolls up or down on the menu.

❒ **Fan Tray '2' Alerts Not Displayed.** If system temperature exceeds the configured temperature threshold, temperature alert message for fan trays will be sent to Activity Monitor, EventLog, SysLog, and SNMP trap. A 'recovered' message for fan tray '2' or fan trays '2' and '1' may be sent without true temperature recovery (3080).

❒ **Line Card Front LED Not Reflecting the Software Configured Operating Mode.** The front mounted ML LED indicator on AT-CM202 and AT-CM212 line cards do not illuminate when a line card is configured for MissingLink operating mode. The LED will illuminate when a line card is not configured for MissingLink (3090).

❒ **Operator Level User Perform 'Manager Level' Operations.** (3165)

— Operator level user does not have access to view or configure the following system submenus: Omega Options, Terminal Configuration, LC Port Configurations, and Configure Operating Mode.

— Operator level user can configure speed and duplex setting on CPM twisted pair port and start/ stop system logging.

❒ **Pinging Remote System From Telnet Not Displaying Ping Results.** When using the 'Ping remote host' feature from a Telnet session, the individual ping results do not display in the Telnet window, and are outputted to the console port (3175).

❒ **Cannot Enable/Disable Line Card Ports.** The 'enable/disable port' feature for individual line card ports is not available in current release. Ports operate as enabled (3176).

❒ **After Power Cycle, Line Card Configurations Become Distinguishable; No Cursor or Highlighted Options.** Default configuration settings for line card ports, including speed and duplex, are not initially highlighted in the system software. Once they are configured by the user, the settings will remain highlighted (3177)

❒ **MissingLink on AT-CM202 and AT-CM212 Line Card Not Operating According to MissingLink Standard.** When a line card is configured for Missing Link operating mode, the link LED on port A may not shut off when the link on port B is dropped. Port A link on the far end line card will be dropped and its LED will turn off (3182).

❒ **Port Link and Fan Failure/Recover Event Messaging Not Sent.** The following events do not trigger messaging alerts via Activity Monitor, EventLog, SysLog, and SNMP traps: port link online/offline, fan x of 2 failure/recover on fan tray x (3188).

Version 1.1.0

The following issues were resolved in AT-S70 Version 1.1.0.

❒ **Software/Firmware Revision Identification-Enhancement.** Diagnostic Menu does not display Software and Firmware Revision Identification. This issue has been resolved (2923)

❒ **After Image Download, Software Reports the Line Card Status as "ON" Before the Card's LED Turns On.** After image download, the software reports the line cards status as "Online" before the card's LED turns on. The line card is not functionally ready until the LEDs illuminate. This issue can be cleared by power-cycle. This issue has been resolved (2938).

❒ **Operator Level User Can Enable/Disable DHCP.** A user at Operator level can enable or disable DHCP. This is a Manager level function. This issue has been resolved (2968).

❒ **DIP Lock Menu Not Operational.** The DIP Lock menu is not operational in this firmware release. This issue has been resolved.

❒ **ATI Remote Management Configuration Menu Not Operational.** The ATI Remote Management Configuration menu is not operational in this firmware release. This issue has been resolved.

Contacting Allied Telesis

This section provides Allied Telesis contact information for technical support as well as sales or corporate information.

Online Support

You can request technical support online by accessing the Allied Telesis Knowledge Base from the following web site: **www.alliedtelesis.com/support**. You can use the Knowledge Base to submit questions to our technical support staff and review answers to previously asked questions.

Email and Telephone Support

For Technical Support via email or telephone, refer to the Allied Telesis web site: **www.alliedtelesis.com**. Select your country from the list displayed on the website. Then select the appropriate menu tab.

Warranty

For warranty information, refer to the Allied Telesis web site: **www.alliedtelesis.com/warranty**.

Returning Products

Products for return or repair must first be assigned a Return Materials Authorization (RMA) number. A product sent to Allied Telesis without a RMA number will be returned to the sender at the sender's expense.

To obtain an RMA number, contact the Allied Telesis Technical Support group at our web site: **www.alliedtelesis.com/support/rma**. Select your country from the list displayed on the website. Then select the appropriate menu tab.

For Sales or Corporate Information

You can contact Allied Telesis for sales or corporate information at our web site: **www.alliedtelesis.com**. Select your country from the list displayed on the website. Then select the appropriate menu tab.

Obtaining Management Software Updates

New releases of management software for our managed products are available from either of the following Internet sites:

❒   Allied Telesis web site: **www.alliedtelesis.com**

❒   Allied Telesis FTP server: **ftp://ftp.alliedtelesis.com**

You must have FTP client software to download new software from the Allied Telesis FTP server from your workstation's command prompt and you must log in to the server. The user name is "anonymous" and your email address is the password.