

CC2000

CC2000 Control Center Over the NET™ Management Software

ALTUSCN™
Enterprise KVM Solutions by ATEN

The CC2000 Management Software offers the convenient, economical centralized access and management of your IT devices located in remote data centers and branch offices anywhere in the world.

When used in conjunction with any Over the NET™ product (KVM Over the NET™, Serial Over the NET™, Power Over the NET™), the CC2000 management software allows IT administrators to remotely monitor and control all installed devices. The Master-Slave architecture also safeguards your data transmissions through its built-in redundancy factors including: automated database backup of Master, Slaves and devices; and real-time database updating. Redundancy ensures that should any of the CC2000 servers go down, the CC2000 management system keeps functioning since the redundant slave unit takes over to provide the required services until the downed unit comes back up. This double redundancy feature, in which each slave server can have its own redundant slave ensures smooth, uninterrupted access management of all your devices.

In addition, the KVM port, serial port and power outlet of an IT device can be associated and presented in the same web page, which enables IT administrators to completely control an IT device from a single user interface. IT administrators can also power on/off/reboot multiple power outlets of an IT device via a single mouse click. This single, integrated, browser-based interface enables IT administrator to manage IT devices through multiple connection methods without having to access separate user interfaces making system management easier and more efficient.

A strong centralized management solution provides benefits in many ways:

- It lets you quickly and smoothly take control of your installation through a single portal that is accessible at any time from anywhere in the world.
- It enables a faster response to mission-critical data center emergencies.
- It eliminates the distance restrictions of traditional server room management



» FEATURES

Centralized Management

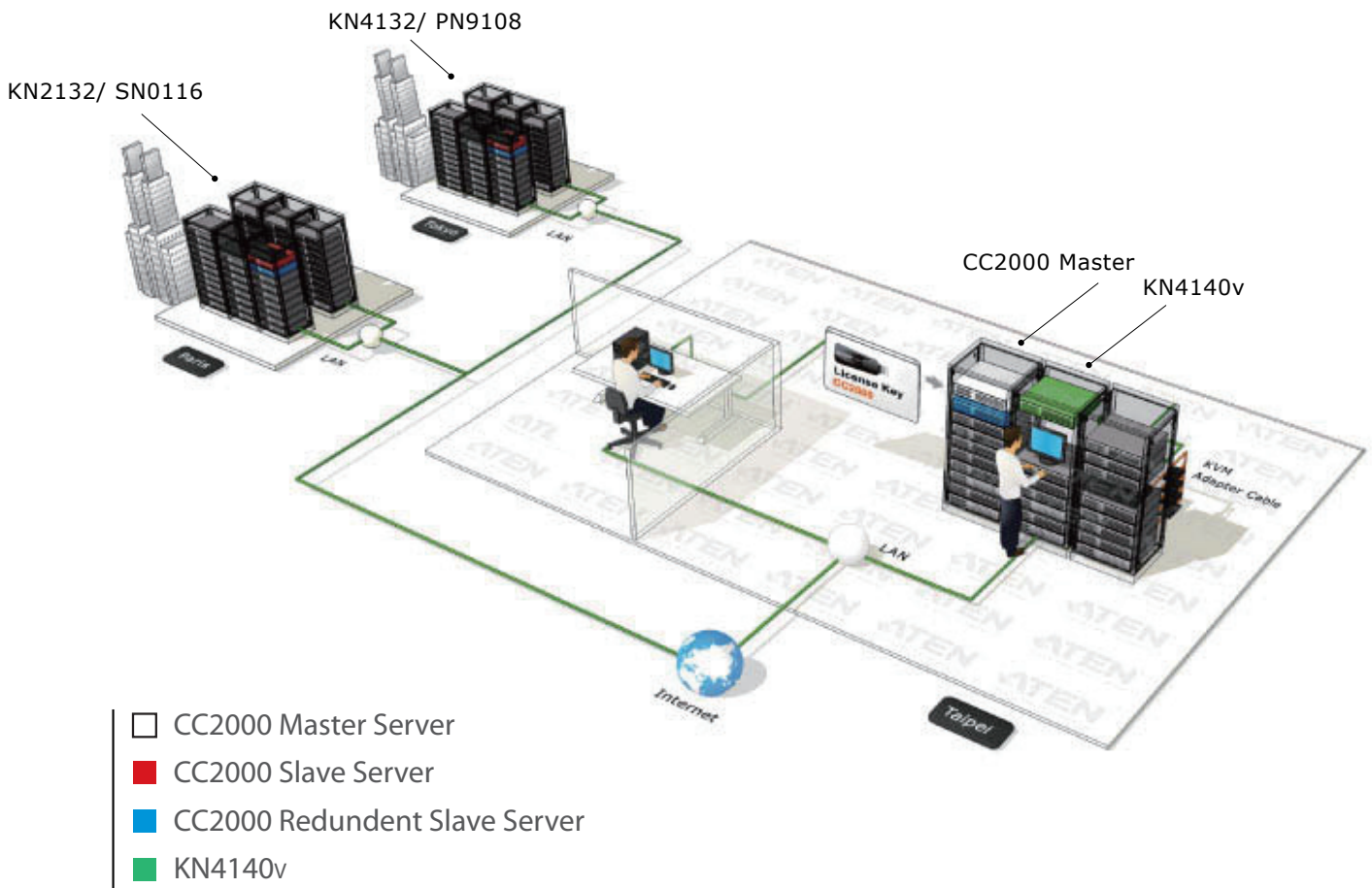
- Complete control of your enterprise – consolidates the management of ATEN/ALTUSEN devices **NEW!**
- Single portal, single sign-on, single IP address to securely access every device on the installation
- All devices are integrated into a single tree view for centralized access, administration, and management of a worldwide network from anywhere at anytime
- Master/slave topology provides redundancy – including real-time database updating **NEW!**
- Double Redundancy- the CC2000 not only provides a redundant slave for the master server, each slave server can also have a redundant slave **NEW!**
- The KVM port, serial port and power outlet of an IT device can be associated and presented in the same web page, which enables IT administrators to completely control an IT device from a single user interface **NEW!**
- Multiplatform installation support: Windows / Linux
- Multiplatform client support (Windows, Mac OS X, Linux, Sun)
- Multi-browser support: Firefox, Internet Explorer, Mozilla, Netscape
- Email notification of specified system events **NEW!**
- Automatic scheduling of system, configuration, and maintenance tasks **NEW!**
- Logging and auditing of system events for the CC2000 and managed devices.
- Session logs provide serial device history **NEW!**
- ATEN/ALTUSEN device auto-discovery with device-availability status, and alarms **NEW!**
- View, manage, and terminate active user sessions in real time
- Role-Based Access and Control (RBAC)
- Browser-based GUI offers a multilanguage interface to minimize user training time and increase productivity
- Generic Device support – users can be redirected to 3rd party data center devices from the CC2000
- Flexible logging and reporting options **NEW!**

Powerful Security

- Powerful security features include both internal and external authentication – external authentication support includes LDAP, LDAPS, Active Directory, RADIUS, TACACS+, and NT Domain – only after being authenticated can users gain access to the devices **NEW!**
- Option to force users of all CC managed devices to be authenticated through the CC – users cannot log in to the devices directly **NEW!**
- Compliant with the X.509 Digital Certificate Standard **NEW!**
- 128-bit SSL encryption of all data on the web
- Flexible session time-outs
- Configurable user and group permissions for server access and control **NEW!**
- Supports strong password protection, SAS 70 compliance for configurable amount of failed login attempts and user ID lock out parameters **NEW!**
- Devices can identify themselves by Name, MAC address, or IP in the browser – the IP of KN/SN/PN devices can be hidden from people passing by **NEW!**
- IP and Mac filtering
- Remote access logged and authenticated
- Private CA support **NEW!**

Server Management Features

- BIOS level support
- Flexible encryption design allows users to choose any combination of 56-bit DES, 168-bit 3DES, 256-bit AES, 128-bit RC4, or Random for independent KB/Mouse, video, and virtual media data encryption **NEW!**
- Virtual Media **NEW!**
- Virtual Remote Desktop **NEW!**
- Exit Macro support **NEW!**
- Mouse DynaSync™ **NEW!**
- Panel Array Mode
- Message Board
- Scalable Video Display **NEW!**



» Benefits

Centralized Control and Management

CC2000 management software provides centralized management of remotely distributed IT devices. This includes ATEN/ALTUSEN “Over the NET™” devices – such as Power Over the NET™, Serial Over the NET™, and KVM over the NET™ – as well as redirection to other generic devices.

Master-Slave Architecture

CC2000 management software uses a Master-Slave architecture to offer service redundancy with real-time database updating. With this feature, a Slave server can automatically substitute for the Master if the Master server fails. Redundancy also means that should any of the CC2000 servers go down, its function and information is not lost – a redundant slave unit can take over to provide the required management services until the downed unit comes back up. In addition, double redundancy ensures uninterrupted, smooth, system management, since if a slave server in a remote site goes down, its redundant slave server will take over to provide the required management services.

Easy to use interface

The CC2000 offers a user-friendly, intuitive, browser-based GUI for simplified access to IT equipment in global data centers and remote offices. The browser-based GUI offers a multilanguage interface to minimize user training time and increase productivity.

Task Scheduling

Time and date scheduling of routine tasks, updates, configurations and file loading that can be performed across the installation couldn't be easier. Automatic scheduling of system and maintenance tasks include: exporting event logs, power controlling devices, upgrading the firmware of selected devices, and the backup of device configuration and account information.

Logging, Audits and Alerts

The CC2000 offers a wide array of flexible logging and reporting options with audit trails for diagnostics and troubleshooting. Powerful search functions and extensive sorting and filtering of log categories to quickly pinpoint the events you are searching for are also provided. Complete logs, as well as log search results can be exported for audit and analysis.

» Specifications

Server Requirements

Systems that the CC2000 server will be installed on should meet the following requirements:

Hardware Requirements

- CPU: Pentium 4, 2.60 GHz or higher
- Memory: At least 512MB (1GB or more recommended)
- Hard drive: 500MB or more free space
- Ethernet: At least 1 Ethernet adapter (100Mbps or higher) – Giga LAN recommended

Operating System Requirements

- Windows: 2000, XP, 2000 Server, Server 2003, Server 2008, or Windows Vista with Java Runtime Environment (JRE) 6, Update 11, or higher (with the latest service package for each installed)
- Linux (with Java Runtime Environment (JRE) 6, Update 11, or higher)
 - Red Hat Enterprise Linux V. 4 and 5
 - Novell SUSE Enterprise Server 9 and 10

CC2000 Capable ATEN/ALTUSEN/IP Products

- CN8000, IP8000, KN2108, KN2116, KN2132, KN4116, KN4132, KN2124v, KN2140v, KN4124v, KN4140v,
- PN0108, PN9108
- SN0108, SN0116

Browsers

Supported browsers for users that log into the CC2000 include the following:

Browser	Version
IE	6 and higher
Firefox	1.5 and higher
Mozilla	1.7 and higher
Netscape	8.1 and higher

USB License Key Specifications

Function		Key
Environment	Operating Temp.	0–40° C
	Storage Temp.	-20–60° C
	Humidity	0–80% RH
Physical Properties	Composition	Metal and Plastic
	Weight	14 g
	Dimensions	8.36 x 2.77 x 1.37cm

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