

IP Console Server

Overview

With the IPCS (IP Console Server) unit, administrators can securely monitor and control servers, routers, switches, and other network devices from anywhere on the corporate TCP/IP network, over the Internet, or through dial-up modem connections, even when the server is unavailable through the network.

The IPCS employs SSHv2 encryption, to keep server access passwords safe from hackers, and supports all popular SSH clients, as well as secure access from any Java-enabled browser. It connects to serial console ports using standard CAT5 cables, eliminating the hassles of custom cabling.



Features and Benefits

■ Manage network devices/servers centrally, remotely, and securely

Reliable console port management solutions all allow you to encrypt sensitive data using proven protocols such as SSHv2, SSL.

■ Diverse devices management

Simple ASCII or VT100 terminal emulation is not sufficient to manage these wide-ranging device types. Today's data centers contain a broad mix of Unix, Linux, RISC, mainframe, and Windows servers, as well as other serially managed devices such as router, gateway, firewall, PBX, UPS, SAN and NAS devices, and intelligent power strips.

■ Provides Serial-to-Serial function

Incorporate with Terminal Converter to provide VGA and keyboard ports locally, or connect the VGA/keyboard ports to KVM switch to consolidate the administration.

■ Proactive monitoring and warning to assist system diagnosis

Applications, and even operating systems, send messages to the system console. These messages contain error and panic information that often precedes a system crash. Unlike terminal servers, console port servers buffer these messages in real time and allow administrators to page through and search this data at a later time, and spontaneously send an e-mail to alert IT administrator of the critical event.

■ In-band and Out-of-band managements

Console port management solutions offer remote, reliable and secure access to serial console ports through in-band networks and out-of-band connectivity options, such as dial-up modem and serial terminal access.

■ Remote and Secure Power Controller

Via serial port, this device acts as control master for controlling power strip.

■ Access Port Lists for Users

■ Provide API Library (Windows and Linux) for integrating to user management system

Technical Specifications

Serial Interface	8 ports (IPC-108), 16 ports (IPC-116), 32 ports (IPC-132) Serial Port Mode (RS-232) Serial Connector (RJ-45) Baudrate (300 bps to 460.8 Kbps) Flow Control (None, RTS/CTS, Xon/Xoff)
LAN Interface	RJ-45 connector
Port Function	Operation Modes: Console server, Terminal server, Dial-in modem, Power Controller , Serial-to-Serial Function
Protocols	TCP, UDP, IP, ARP, ICMP, HTTP/HTTPS, Telnet, DHCP/BOOTP, PPP, SMTP(with Authentication), DNS, DDNS, NTP
Network Security	IP Filtering SSHv2 HTTPS / SSL (up to 256 bits Encryption)
Authentication	SSL / Certificate PAP/CHAP (for modem dial-in) RADIUS
Management	Web pages (HTTP/HTTPS), SSH, Telnet, Local Console
Log Function	Local memory, NFS Server
Power	DC Input (12V), or AC Input (100 ~ 240 VAC, 50 ~ 60 Hz) per ODM request
Dimension (mm)	432 x 180 x 42

Applications

