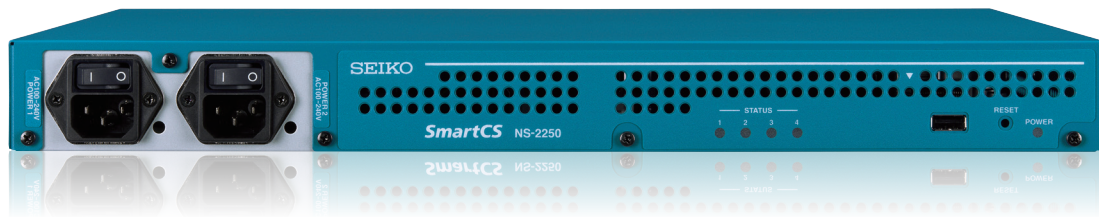# SEIKO

Intelligent console server

SmartCS NS-2250

" Essential, Reliable, Flexible, Stable " Console server


"Console access" is still an important lifeline for a network

This console server aggregates the console ports of routers, switches, and other network equipment and servers and offers a unified, maintainable environment.
If you use SmartCS to create a monitoring network, you can reliably access the console ports of monitored equipment that are connected to SmartCS, even when an operational network problem occurs. This can reduce maintenance work greatly and minimize maintenance costs.

Aggregate the console ports of monitored equipment

SmartCS aggregates the console ports of multiple units of monitored equipment and offers a unified, maintainable environment. Instead of connecting terminals to the console ports of monitored equipment, you can connect to SmartCS and access the console ports of monitored equipment from a telnet/SSH client on the network.
Via SmartCS, you can operate monitored equipment as if you are directly connected to its serial port.
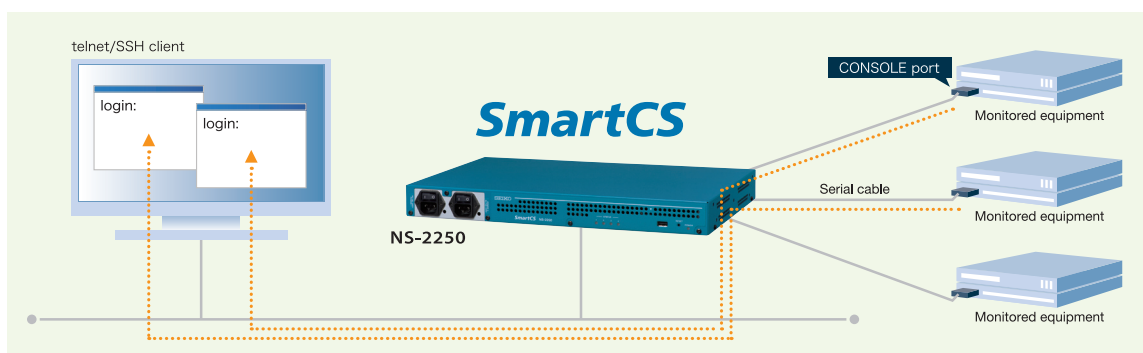
Encrypt communications and prevent unauthorized access

To provide secure access between SmartCS and monitored equipment that has been connected to SmartCS, SmartCS is equipped with SSHv2 (Secure Shell Version 2)/SFTP (SSH FTP) encryption protocol and public key authentication. In addition to user authentication using passwords and public keys, you can enable advanced security control by specifying the serial ports that the user can access.

High quality and reliability for your "lifeline network"

SmartCS is designed to meet the high-quality requirements of carriers and service providers, and has been selected by various customers, including large telecom operators, internet service providers, data center operators, and many other users who requires a "stable lifeline".

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Collect the logs and transfer them by various means

SmartCS saves and manages messages that monitored equipment has output as port logs.
You can view the saved the port logs when accessing monitored equipment from a telnet/SSH client using SmartCS. You can also use the following methods to export the port logs to external devices.

- Automatically send port logs to a syslog server
- Automatically send port logs to a NFS server
- Automatically send port logs to a FTP server
- Automatically send port logs as an e-mail to a mail server
- Manually download port logs using FTP/SFTP client
- Manually send port logs to an external FTP/TFTP server
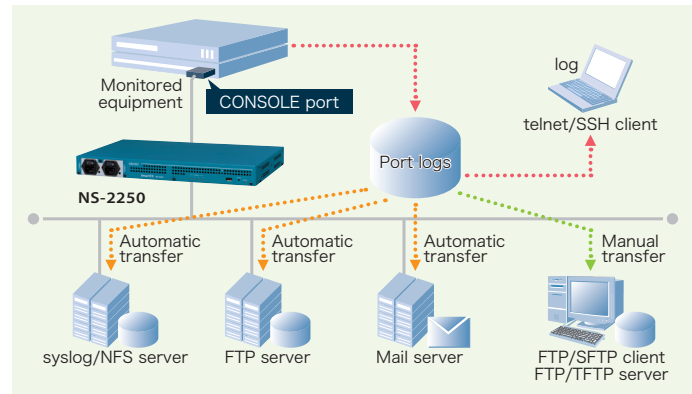
Cooperation with external API for orchestration

SmartCS enables operations via external APIs instead of manual operations by the conventional method of accessing console via Telnet/SSH
Its function to convert between external APIs and serial communication allows the orchestrator to access the target device even when they have no IP Address or don't support external API.
Adopting SmartCS into the operation automation environment expands the scope of device and operation, contributing to further improvement in convenience.
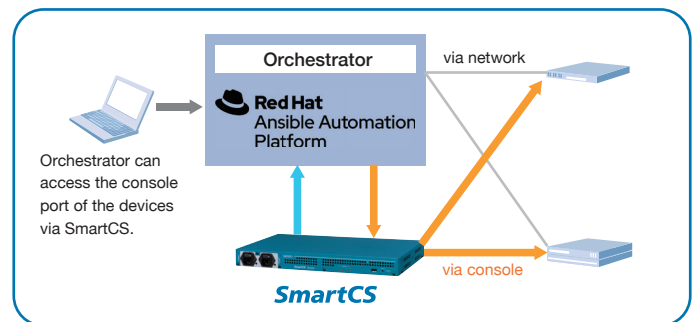
* Ansible module for SmartCS is available on Ansible Automation Hub, Ansible Galaxy and our website.

Specifications

Network interface	RJ45 10BASE-T / 100BASE-TX / 1000BASE-T x 2
	Bonding function (Active - Standby)
	IPv4 / IPv6
Console port	RJ-45 RS-232× 1
Serial port	RJ-45 RS-232 × 16 (NS-2250-16)
	RJ-45 RS-232 × 32 (NS-2250-32)
	RJ-45 RS-232 × 48 (NS-2250-48)
External card slot	USB memory × 1
Rated voltage	AC 100V-240V±10% (50/60Hz) / DC -40.5V - -57.0V
Operation temperature	5℃ - 45℃
Operation Humidity	15% - 85% RH (no condensation)
Dimensions	426(W) × 262(D) × 44(H) mm (Projection not included)
Weight	3.4kg

Features

Port Access	telnet, SSH, IPsec (Tunnel mode)
	Direct connection, Menuing connection
	Simultaneously access by multiple users per port
	Monitoring (Readonly), Operating (Read/Write)
Authentication	local user, TACACS+, RADIUS
Storing port logs to	local, NFS
Sending port logs to	syslog, e-mail (SMTP), FTP, TFTP

Serial ports specifications

Transfer speed (bps)	2400, 4800, 9600, 19200, 38400, 57600, 115200
Parity	even, odd, none
Stop bit	1bit, 2bit
Data length (bit)	7bit, 8bit
Flow control	xon, rs, none

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*Design and specifications are subject to change without notice.

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