SCU (System Control Unit)

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Details

SCU Main Controller Board

The SCU (System Control Unit) main controller board from Sintai Communication provides the interface between the system and the network management system. It manages all service boards within the equipment and enables communication between system components to handle overhead processing and optical monitoring channels efficiently.

Key Features

Features
Supports dual main control board (1+1 redundancy) with automatic and manual switching
Supports hot-swappable operation without affecting services
System continues operation even if both controllers fail; new controller auto-syncs configuration
Configuration automatically restored after power restart (no data loss)
Automatic configuration download to replaced service boards (plug & play)
LED indicators for operation status, main/standby state
Supports CLI, Web LCT, GUI (B/S architecture), and NETCONF/YANG API management
Supports remote online upgrade and USB-based local upgrade & log export

Technical Specifications

Parameter	Description
Model	SCU Main Controller Board
Protection Function	Supports main controller 1+1 redundancy
Network Management	CLI command-line management Web-based LCT management GUI platform (B/S architecture) OSC-based DCN communication NETCONF/YANG open API interface
Operating Temperature	Short term: -5°C to +45°C Long term: 0°C to +40°C
Storage Temperature	-40°C to +70°C
Humidity	5% – 95% (non-condensing)

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