

Description

PROSE Intelligent Cabling System (ICS) is an advanced Automated Infrastructure Management (AIM) solution designed to provide real-time monitoring, identification, and management of physical network connections. The system consists of a Management Controller (Host Unit), Expansion Units, Scanning Units, and Intelligent Patch Cords, enabling automatic detection and documentation of connectivity status across the entire cabling infrastructure. By delivering real-time visibility of network assets, automated change tracking, fault localization, and unauthorized connection alerts, the solution helps improve operational efficiency, reduce human errors, enhance network security, and simplify infrastructure management in data centers, enterprise networks, and other mission-critical environments.

Key Features

- Supports connection of up to 24 Expansion Units via standard 8-core twisted-pair cables (RJ45 interface).
- Collects and manages port information from all connected Expansion Units and subordinate Scanning Units.
- Provides real-time analysis and processing of intelligent cabling data, including equipment status and port status.
- Features a standard Ethernet interface for seamless integration with OMC management software and IP networks.
- Integrates an embedded OMC server platform, reducing hardware investment and simplifying system deployment.
- Delivers stable and reliable data communication for centralized intelligent infrastructure management.

Product Appearance



Master Unit Technical Parameters

Size	1 HU x 19"
	W x D x H : 482mm x 260mm x 44mm
Materials	Aluminum + Plastic (Panel)
Weight	≤3kg
Interface Type	RS422 interface *24: for connecting Management Unit

	USB interface*2: for external devices, such as keyboard, mouse, mass storage.
	Network interface*1: for connecting to switch using 8-pin RJ45 jumper.
	Network interface*1: connecting to display device.
Status Indicator	 POWER (Blue): When power supply is normal, the indicator is always on.
	 RUN (Blue): When the monitoring master run normally, the indicator is slow-flashing.
	 TASK (Blue): When there are tasks, the indicator is always on.
	 ALARM (Red): When wiring ports abnormal, the indicator is always on.

Extension Unit Technical Parameters

Size	1 HU x 19"
	W x D x H : 482mm x 172mm x 44mm
Materials	Aluminum + Plastic (Panel)
Weight	≤2kg
Interface Type	LAN interface*1
	RS422 interface*1 (for connecting Master Unit)
	RS422 interface *24 (for connecting Scanner Unit)
Status Indicator	 POWER (Blue): When power supply is normal, the indicator is always on.
	 RUN (Blue): When the master run normally, the indicator is slow-flashing.
	 TASK (Blue): When there are tasks, the indicator is always on.
	 ALARM (Red): When wiring ports abnormal, the indicator is always on.

Scanner Technical Parameters

Height	44.4mm(1U)
Width	482.6mm(19in)
Depth	94.4mm
Weight	≤1kg
Materials	SPCC

Scanner Function overview

Function name	Function Description
Port status	The scanning unit monitors the status changes of 24 ports in real time. When the status changes, the scanning unit immediately updates the data to the data cache and sends the data to the management unit in polling for processing
LED status management	The management unit organizes the LED status data of the scanning unit according to the current task and alarm status, and the scanning unit controls the LED blinking of the corresponding port according to the data
Scanning unit location	The scanning unit is quickly located by the software, and the 24 leds of the scanning unit are located to run

	the running state
Scan unit in-place detection	Checks whether scan units exist on the port

Scanner Alarm function

Alarm name	Level	Production condition	Vanishing condition	Alarm handling
Disconnected alarm	seriousness	Unplug the network cable	1. Insert the network cable 2. Acknowledge the alarm	1. Insert the network cable 2. Acknowledge the alarm
Line alarm	seriousness	Plug in a network cable	1. Remove the network cable 2. Acknowledge the alarm	1. Remove the network cable 2. Acknowledge the alarm
Scan unit online	notification	The scan unit connects to the management unit		
The scan unit is offline	notification	Scan unit Pulls out the snap-in		

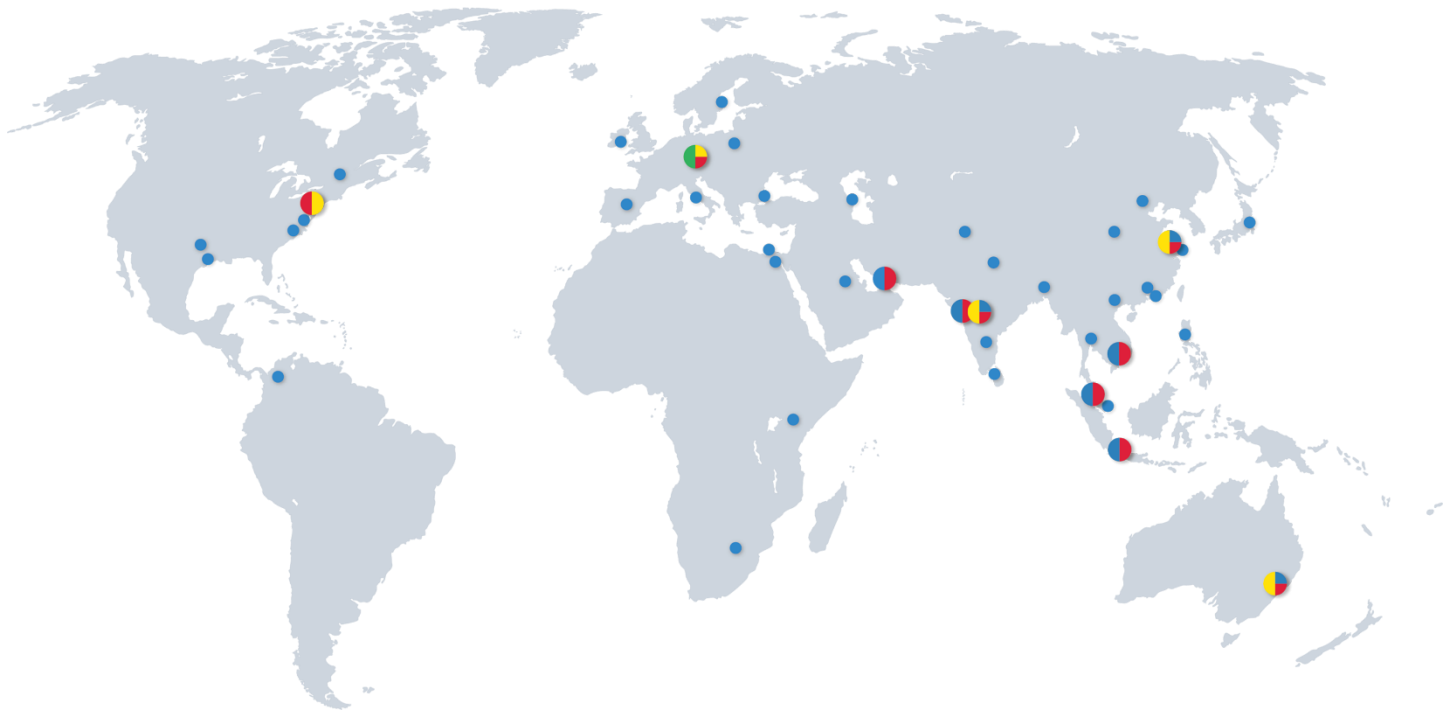
Electrical Parameters

Input Parameter	
Voltage range	85~264VAC
efficiency	83%
Inrush current	Cold boot: 33A/230VAC
Leakage current	<2mA/240VAC
Output Parameter	
DC voltage	6V
Rated current	12A
Current range	0~12A
Rated power	72W
Voltage accuracy	-2.0%~+2.0%

Ordering Information

Part Number	Description
ICS-G4-10202	ICS Samples with 1* Master,1*Extension,2*Cross-connection scanner,2*inter-connection scanner,8*Patch cord

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PROSE

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