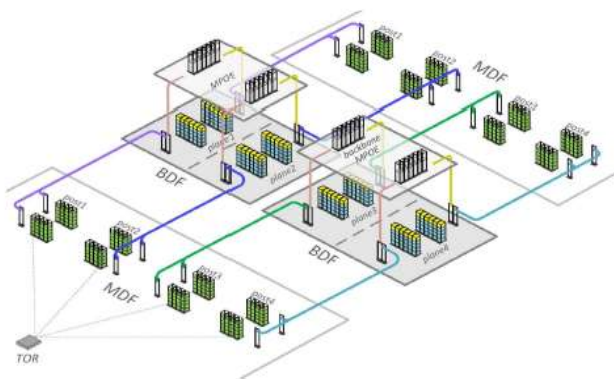## Overview

The Intelligent Cabling System is a highly intelligent and automated electrical device, integrating proprietary intellectual property and patented innovations. With its three-layer architecture design, it enables efficient port detection and management, catering to various media connectivity requirements. This product addresses user pain points in electrical wiring management and brings significant technological and application effects. ICS is a comprehensive cabling management software designed to provide users with efficient and reliable cabling solutions. With features such as site management, device management, port management, link management, asset management, drawing management, permission management, and user management. ICS enables users to effectively manage and monitor their cabling systems.

Typical Application

Date Center Application Scenario

Commercial Premises Application Scenario

Where to use

Energy

Bank

Supermarket

Medical

Airport

Education

Industry 4.0

Hotel

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Product Features

1. Port Detection and Management:
   - Capable of connecting and managing up to 13824 points, with rapid 2-second detection of the status of any port.
   - Real-time monitoring and fast fault diagnosis capabilities, providing accurate fault localization and swift response.

2. Proprietary Intellectual Property and Patent Innovations:
   - Possessing unique technological advantages and differentiated features, ensuring outstanding performance and stability.
   - Providing reliable solutions to meet customized customer requirements, enhancing competitiveness.

3. Three-layer Architecture Design:
   - Structure comprising a host, management unit, and scanning unit, supporting flexible expansion and upgrade options.
   - Each host can expand up to 24 management units, and each management unit can further expand up to 24 scanning units, catering to different scales and user needs.

4. Multiple Patch Panel Units:
   - Including single copper patch panels, dual copper patch panels, 48-core fiber patch panels, and 96-core fiber patch panels, meeting diverse media connectivity needs.
   - Flexible and adjustable patch panel unit design, facilitating quick configuration and management.

5. High Level of Intelligence:
   - Remote configuration, monitoring, and management support, enabling batch patching, fault localization, and remote control for improved efficiency.
   - Intelligent recognition and batch patching functions, simplifying maintenance operations and reducing human errors.

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Software Features

1. Site Management

- Users can create projects based on geographical information such as country, city, building, and floor.
- Supports importing or manually creating devices, facilitating the rapid establishment of site cabling information.
- Monitors device status changes in real time, generate alarms or distribute tasks.
- View the link information from the core switch to the information point.

2. Template Management

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- Provides functionalities for adding, modifying, and deleting device information, including device models, quantities, locations, and utilization rates.
- Enables users to efficiently manage and monitor devices within the cabling system and perform necessary configurations and adjustments.
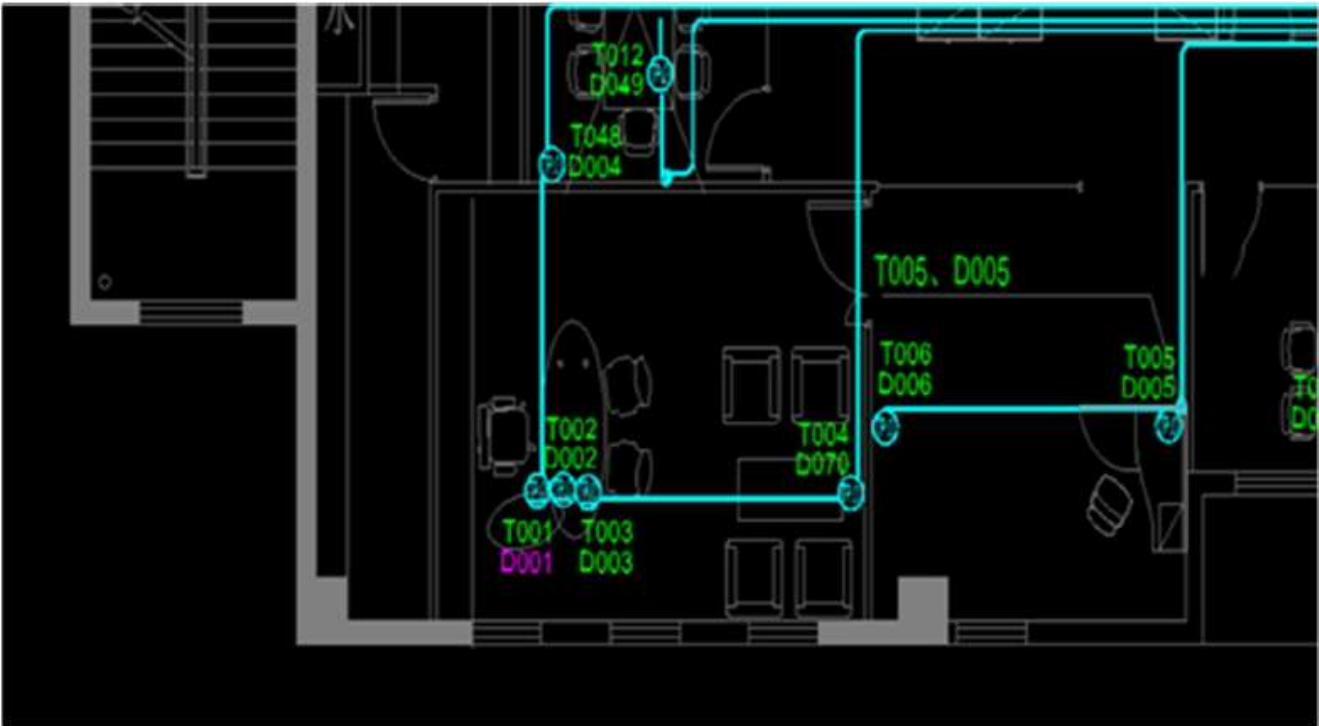
3. Statistics Chart

- Graphically displays the status of ports, such as occupied, disconnected, or available, allowing users to quickly assess port usage.
- Supports functionalities for adding, modifying, and deleting port information, including port models, quantities, and utilization rates
- Enables queries for port utilization, facilitating analysis and optimization of resource usage.

4. Port Link Management

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• Users can add, modify, delete, and query port links, including assigning work orders to IT maintenance personnel for cabling tasks.

• Records and updates link status and logical relationships to ensure the reliability and connectivity of the cabling system.

5. Drawing Management

• Supports CAD drawing import, allowing users to associate physical port information with CAD drawings.

• Automatically recognizes text information on CAD drawings, facilitating quick positioning of sites and devices on the drawings.

6. Authority Management

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- Supports role-based permission management for different user levels and maintenance personnel, ensuring system security and data confidentiality.
- Enables hierarchical device partitioning, ensuring that users can only access and configure devices within their assigned permissions.

7. User Management

- Supports functionalities for creating, modifying, deleting, and querying user information, as well as assigning user roles and permissions.
- System administrators can flexibly manage user accounts and permissions, ensuring the smooth operation and security of the system.

ICS Integrated Cabling Management Software is a feature-rich and user-friendly tool that allows users to efficiently manage and maintain their cabling systems. With its robust features and technical requirements, it serves as an excellent solution for cabling management.
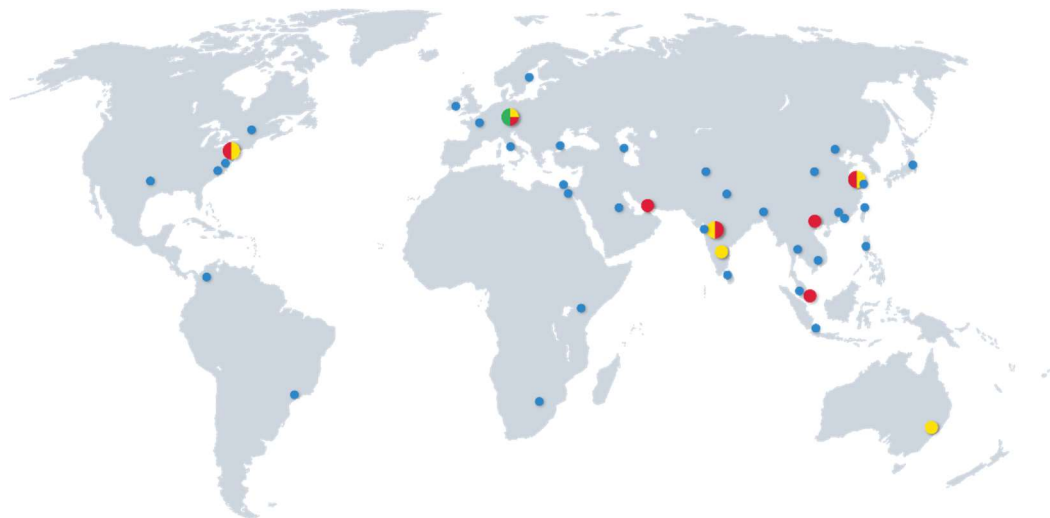
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Minimum Configuration Requirement

Item	Parameter	Technical Specification
Hardware	CPU	≥4 (Core) 64bits
	Memory	≥16.0GB
	Hard Disk	≥500GB
	Ports RJ45	100M/1000M
	Bandwidth	10M
Software	Operation system	Windows Server 2015 or above
	Database	Mysql 5.7 or above
	Web Server	Internet Information Services 8 or above
	Runtime	.Net 4.5.2
	Browser	Google Chrome

Ordering Information

Part Number	Description
ICS2-002-01	ICS software of cabling management system (0-2000 ports)
ICS2-002-02	ICS software of cabling management system (2001-5000 ports)
ICS2-002-03	ICS software of cabling management system (over 5001 ports)

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