ılıılı
CISCO

Cisco Industrial Network Director

Built to manage industrial networks, the Cisco® Industrial Network Director (IND) is designed to help operations teams gain full visibility of network and automation devices for improved system availability and performance.

Ethernet networks comprise an integral part of modern automation and control environments, and operations personnel are growing increasingly dependent on network monitoring to reduce unplanned downtime.

The Cisco IND provides operations-centric network management for industrial Ethernet networks. The system supports industrial automation protocols such as CIP, PROFINET, OPC-UA, Modbus, BACnet, etc. to discover automation devices such as PLC, IO, HMI, and Drives and delivers an integrated topology map of automation and networking assets to provide a common framework for operations and plant IT personnel to manage and maintain the industrial network.

The system uses the full capabilities of the Cisco Industrial Ethernet product portfolio to make the network accessible to non-IT operations personnel. The simple user experience streamlines network monitoring and delivers rapid troubleshooting of common network problems found in industrial environments.

Feature highlights

CIP, PROFINET, Modbus, BACnet, Siemens S7, OPC-UA industrial device discovery

Bridge across PLC backplane to discover devices behind it

Dynamic topology of Industrial and Network assets, with support for (DLR) Device Level Rings

Plug-and-play server for zero-touch switch commissioning

Switch monitoring and troubleshooting with alarms

Switch configuration backup

Detailed audit trails to track adds, moves, and changes

OT intent driven security workflows with Cisco ISE, and anomaly detection with Cisco Stealthwatch integration

Rich APIs for rapid integration with industrial applications

Smart licensing:

The Cisco Industrial Network Director supports two licensing models.
For customers who do not want to deal with Product Activation Keys (PAKs) and the hassle of manually maintaining license files, smart software licensing provides the following benefits:

- Simple: Procure, deploy, and manage licenses easily. The system self-registers with Cisco for automatic license activation.

- Flexible: Pool license entitlements, and share them among multiple instances of IND software installations. Move licenses freely through the network, wherever you need them.

- Smart: Manage your license deployments with real-time visibility of ownership and consumption.

Learn more at https://www.cisco.com/web/ordering/smart-software-licensing/index.html.

Subscription offer structure

Table 1. IND offer structure

Category	PID	Description
Top level PID	IND-SOFTWARE-K9	Top level PID for CCW ordering
Product billing PIDs	IND-IE-S	IND Smart license for managing industrial Ethernet switches
	IND-IE	IND traditional PAK license for managing industrial Ethernet switches
Service billing PIDs	SVS-IND-SUPT-BAS	IND basic support
	SVS-IND-SUPT-SSTCS	IND solution support basic

The Cisco Industrial Network Director is licensed on a per-device, term subscription basis.
Each customer is licensed fora certain number of devices through a termination date.

Licenses for managing Cisco Industrial Ethernet switches are ordered in increments of one unit device, with a subscription term of 1, 3, or 5 years.

Customers can choose a subscription billing model of either a monthly payment for the duration of the term or prepaid for the whole term.

Within the subscription term, the offer includes:

- License to manage a fixed count of Cisco Industrial Ethernet Switches
- Cisco Industrial Network Director Software along with access to all maintenance, minor, and major system upgrades, and patches

Customers also have the option to purchase support services for the duration of the subscription term

Ordering information

For ordering information please refer to the Cisco Industrial Network Director ordering guide here.

Services and support

Cisco Industrial Network Director offers an optional Basic Tier Software Support Service (SWSS) with 24-hour access to the Cisco Technical Assistance Center (TAC) as detailed in the SWSS Basic Tier description here.

Supported devices

Table 2. Devices Cisco IND supports

Vendor	Product family
Cisco Systems Inc.	• Cisco Industrial Ethernet 1000 Series Switches • Cisco Industrial Ethernet 2000 Series Switches • Cisco Industrial Ethernet 2000 IP67 Series Switch • Cisco Industrial Ethernet 2000U Series Switches • Cisco Industrial Ethernet 3000 Series Switches • Cisco Industrial Ethernet 4000 Series Switches • Cisco Industrial Ethernet 4010 Series Switches • Cisco Industrial Ethernet 5000 Series Switches • Cisco Industrial Ethernet 3010 Series Switches • Cisco 2500 Series Connected Grid Switches
Rockwell automation/ Allen-Bradley	• Stratix 2500 Lightly Managed Switches • Stratix 5700 Industrial Managed Ethernet Switches • ArmorStratix 5700 Industrial Ethernet Switches • Stratix 8300 Modular Managed Ethernet Switches • Stratix 5400 Industrial Ethernet Switches • Stratix 5410 Industrial Distribution Switches • ControlLogix Control Systems • CompactLogix Control Systems • EtherNet/IP Tap

For more information

Get full visibility and control of your automation network today with Cisco Industrial Network Director.

For additional information, visit https://www.cisco.com/go/ind.

System requirements

Table 3 lists minimum system requirements, and lists client browser requirements.

Table 3.   Minimum System Requirements and Client Browser Requirements

Minimum System Requirements	
Windows Operating System (OS) 64-bit version	• Windows 7 Enterprise or Professional with Service Pack 2 • Windows 10 • Windows 2012 R2 Server • Windows 2016 Server (64-bit version)
CPU	Quad-core 1.8 GHz
RAM	8 GB
Storage	50 GB
Client Browser Requirements	
Browser	• Chrome: Version 50.0.2661.102 or later • Firefox: Version 46.01 or later

Cisco Capital

Flexible payment solutions to help you achieve your objectives

Cisco Capital makes it easier to get the right technology to achieve your objectives, enable business transformation and help you stay competitive. We can help you reduce the total cost of ownership, conserve capital, and accelerate growth. In more than 100 countries, our flexible payment solutions can help you acquire hardware, software, services and complementary third-party equipment in easy, predictable payments. Learn more.