

# Cisco Industrial Network Director



## Benefits

- **Empowered operations teams:** Give your operations teams the system visibility and the familiar user experience to drive up productivity.
- **Rapid time to value:** Reach business outcomes associated with IoT initiatives more rapidly through improved system availability and increased overall equipment effectiveness (OEE).
- **Reduce cost of ownership and maximize network infrastructure value:** IoT with DNA simplifies and automates using Plug and Play deployment while offering a common framework across operations and IT, teams gain full advantage of industrial network capabilities while decreasing operational costs.

## Empower Operations: Get Full Visibility and Control of Your Industrial Automation Network

Businesses ranging from corporations in manufacturing and energy to public sector organizations such as cities and transportation authorities have used IoT technologies to produce high impact business outcomes, including faster product introductions, more engaging services, and increased operating efficiency.

The Cisco® IoT portfolio integrates the essential IoT elements required for customer success. The Cisco Industrial Network Director (IND) provides operations teams an easily integrated management system delivering increased operator and technician productivity through simplified network monitoring and rapid troubleshooting as part of a comprehensive IoT solution from Cisco.

The rapid time to value and easy adoption of the network management system leverages the full capabilities of the Cisco Industrial Ethernet portfolio to help operations personnel to increase system availability.

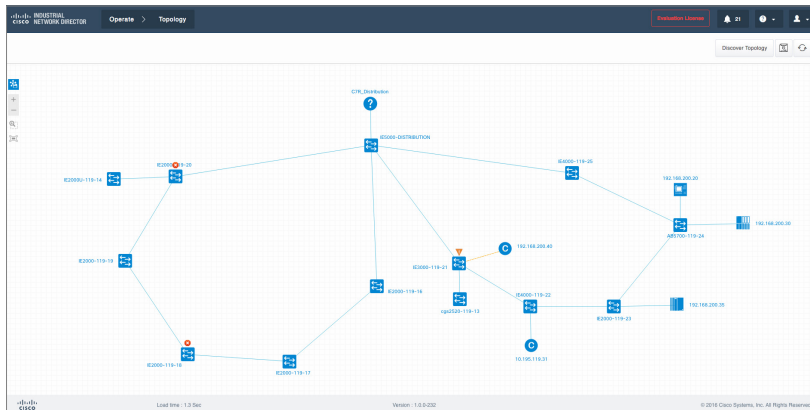
## Purpose-Built User Experience for Operations

Cisco Industrial Network Director offers operations team an easily adopted, fast path to network management. Users gain full visibility and control of the industrial Ethernet infrastructure in the context of connected devices and network infrastructure. Customers experience acceleration of business outcomes leveraging Plug and Play deployment using IoT with DNA to drive increased system availability with a common management framework between operations and IT.

Industrial Network Director creates a dynamic integrated topology of connected devices and network infrastructure using common industrial protocols such as CIP and ProfitNET.

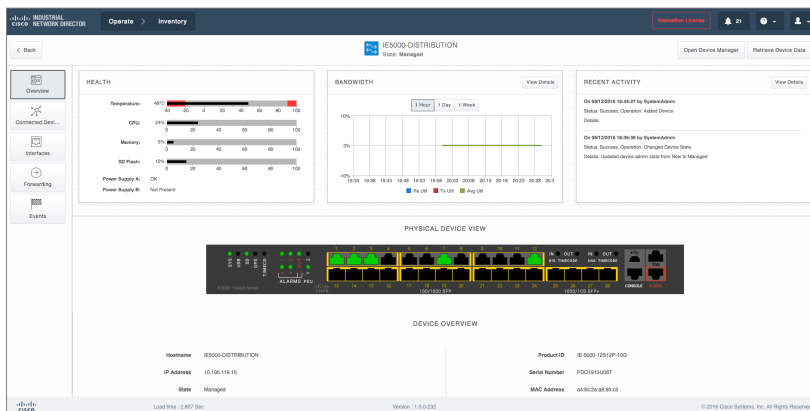
Both plant operations and IT benefit from real-time monitoring and rapid troubleshooting. (See Figure 1.)

Figure 1. Industrial Network Director Topology View Sample



Through the purpose-built system, operators can zoom in on specific devices for real-time monitoring of device status and traffic statistics. (See Figure 2.)

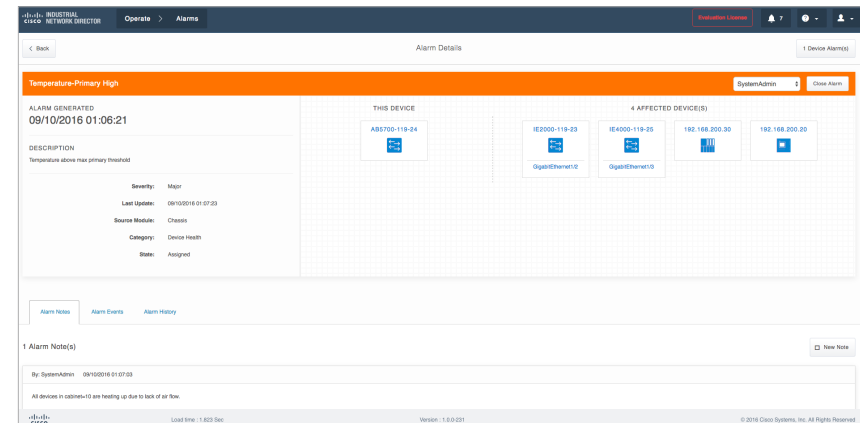
Figure 2. IND Network Element Overview



The system provides comprehensive alarm management features with real-time alerting of network events and reporting of effects to automation assets, allowing the operations and plant-IT team to

consume network changes in context of the industrial process to simplify troubleshooting issues. (See Figure 3.)

Figure 3. IND Alarm Detail Overview Sample



IND also provides a rich set APIs for easy integration of network information into existing industrial asset management systems and allowing customers and system integrators to build dashboards customized to meet specific monitoring and accounting needs.

Cisco Industrial Network Director delivers:

- Comprehensive visibility into your automation network
- Improved system availability and performances leading to increased OEE
- Reduced asset management cost and improved asset tracking
- Control of the full capabilities of the market-leading Cisco IE switching family

## Next Steps

Get Full Visibility and Control of Your Automation Network Today with Cisco Industrial Network Director

For additional information, visit [www.cisco.com/go/ind](http://www.cisco.com/go/ind).