

Cisco Catalyst Industrial Ethernet IE3x00 Rugged Series Switches

Extend intent-based networking to the IoT edge

Cisco Catalyst IE3x00 Rugged Series switches feature advanced, full Gigabit Ethernet with a modular, future-proof design. Expandable up to 26 ports in a compact form factor, these rugged switches are optimized for size, power and performance. They deliver up to 16 ports of PoE+, are ready for Cisco Software-Defined Access, and bring Cisco Digital Network Architecture (DNA) for intent-based networking to industrial Ethernet applications.



IE3200
Compact and fixed configuration



IE3300
Compact, versatile, and modular



IE3400
Compact, versatile, modular, with advanced functions

Key benefits

With the Cisco Catalyst® IE3x00 Rugged Series, you can:



Manage scale, lower costs, and increase security by extending Cisco intent-based networking to the IoT edge.



Future-proof your investments. The IE3x00 Rugged Series adapts to your growing connectivity needs with its modular, versatile design.



Accelerate your digital transformation with Gigabit Ethernet speeds on every port.



Reduce installation complexity with Power over Ethernet (PoE) and PoE+, which use one cable for connectivity and power.



Install it almost anywhere. Ruggedized and compact, the Cisco Catalyst IE3x00 Series is perfect for installations into space-constrained, industrial, or outdoor areas.



Qualify and securely deploy services more quickly using the programmable, open, and standards-based APIs of the Cisco IOS XE operating system, now on the IE3x00 Rugged Series.

Use cases

Following are some examples of use cases for the Cisco Catalyst IE3x00 Rugged Series.

Warehouses and distribution centers

Enhance safety and operations with real-time visibility by securely connecting various warehouse systems.

Manufacturing

Automate, reduce downtime, and increase productivity by connecting sensors, machines, and other IoT devices.

Utilities

Quickly identify and fix problems, limit downtime, and reduce outages and costs.

Roadways

Connect sensors, IP cameras, digital signage, and other IoT devices to deliver real-time traffic monitoring and increase traffic flow and safety.

The Cisco Catalyst IE3x00 Rugged Series extends intent-based networking to the edge with the following capabilities.

Table 1. Features and benefits.

Feature	Benefit
Robust Industrial Design	<ul style="list-style-type: none">• Built for harsh environment and temperature range (-40 to 75 C)• Fanless, convection cooled with no moving parts for extended durability• Hardened for vibration, shock and surge, and electrical noise immunity• Complies with multi-industry specifications for automation, ITS, and substation environments
Full Gigabit Ethernet Interfaces	<ul style="list-style-type: none">• Provides secure access for new high speed applications in the industrial space• Packs up to 10 ports of GE – 2x 1 Gigabit SFP uplinks + 8x 1 Gigabit Copper or PoE+ RJ45 downlinks in a small form-factor Base System• Expandable to 26 ports of GE by attaching one of 8 compatible modules (Copper, PoE, Fiber options)
High-density industrial Power over Ethernet (PoE)	<ul style="list-style-type: none">• Support for up to 16 PoE or PoE+ ports• Controls costs by limiting wiring, distribution panels, and circuit breakers• Reduces equipment needs, thus requiring less space and reducing heat dissipation
SwapDrive: “zero-config” replacement	<ul style="list-style-type: none">• True zero-configuration and simple switch replacement in case of a failure• No networking expertise required• Helps ensure fast recovery

Discover more

To learn more about the Cisco Catalyst IE3x00 Rugged Series, Visit:

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