

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

## Discover more

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

- [cisco.com/go/ie](https://cisco.com/go/ie)
- [cisco.com/go/ie3200](https://cisco.com/go/ie3200)
- [cisco.com/go/ie3300](https://cisco.com/go/ie3300)
- [cisco.com/go/ie3400](https://cisco.com/go/ie3400)