

# Cisco Catalyst Industrial Ethernet IE3x00 Rugged Series Switches

Bring scale, agility, and security 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, enable the scale and simplicity of

cloud-delivered OT services, and bring the power of Cisco Digital Network Architecture (Cisco DNA) to industrial ethernet applications.



**Catalyst IE3100**

Ultra-compact and fixed configuration



**Catalyst IE3200**

Compact and fixed configuration with PoE+



**Catalyst IE3300**

Compact, versatile, and modular, with PoE+



**Catalyst IE3400**

Compact, versatile, modular, with PoE+ and advanced functions

The Cisco Catalyst IE3x00 Rugged Series brings scale, agility, and security to the IoT edge with the following capabilities.

Table 1. Features and benefits.

Feature	Benefit
Robust Industrial Design	<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>
Full Gigabit Ethernet Interfaces	<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 or Combo 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>
High-density industrial Power over Ethernet (PoE)	<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>
SwapDrive: “zero-config” replacement	<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>
Built-in essential OT services	<ul style="list-style-type: none"> <li>▪ Cyber Vision sensor for granular visibility into connected assets and traffic flows, assess vulnerabilities, and define segmentation policies</li> <li>▪ Secure Equipment Access for a standard secure way to monitor, configure, update, and manage industrial assets remotely</li> <li>▪ Edge Intelligence to collect process data in real-time to improve governance and make better business decisions</li> </ul>

## 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.

### Custom industrial solutions

Connect individual components within complex sophisticated machines for custom-built turnkey industrial solutions.

### Constrained spaces

Easily deploy in space constrained cabinets such as those at traffic intersections, along railroads and pipelines, and at solar or wind farms.

## Key benefits

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



**Ease deployment, ensure performance, lower costs, and increase security** in industrial networks by utilizing the same proven management and security tools that you use in the enterprise.



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



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



**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 Catalyst IE3x00 Rugged Series.



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



**Run essential OT services** directly on switches to increase visibility, provide secure remote access, and collect real-time data for better business decisions.



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

## 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/ie3300](https://cisco.com/go/ie3300)
- [cisco.com/go/ie3100](https://cisco.com/go/ie3100)
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