

## Cisco Industrial Ethernet 3010 Series Switches

Cisco is pleased to introduce the new Cisco® Industrial Ethernet 3010 Series Switches. The Cisco Industrial Ethernet 3010 Series (IE 3010 Series) is a family of ruggedized, compact 1-rack unit (RU) rack-mountable, fixed configuration Layer 2 switches with Small Form-Factor Pluggable (SFP) fiber aggregation and Power over Ethernet (PoE), which bring Cisco's leadership in switching to Industrial Ethernet applications with innovative features, robust security, and superior ease of use.

The Cisco IE 3010 Series features:

- Support for fiber aggregation (16 SFP ports) and PoE (8 PoE ports) configuration
- Design for Industrial Ethernet applications, including extended environmental, shock/vibration, and surge ratings; fanless convection cooling
- Complete set of AC/DC inputs and dual redundant power supply units
- Compact 1RU rack-mount and wall-mount options, both front and rear LED panels to allow reverse mounting and easy reading of switch status
- Easy switch replacement with the Swap Drive: a removable SD flash card, allowing the user to quickly replace a switch in the field
- Alarm relay contacts with four inputs and one Form-C output to meet various alarm needs
- Two types of management console port: RJ45 for serial connection and USB mini type B for USB connection
- Improved resiliency with the support of Cisco Resilient Ethernet Protocol (REP) for ring topology, and Flex Link, Link State Tracking, EtherChannel for other topologies
- Recommended software configurations for industrial applications preconfigured using Smartport macros
- Hardware ready to support IEEE1588v2, a precision timing protocol with nanosecond-level precision for high-performance applications
- High security using support of port-security, encrypted access (Secure Shell [SSH] Protocol, HTTPS, Simple Network Management Protocol Version 3 [SNMPv3]), and other network protection features

The Cisco IE 3010 Series is an ideal product for Industrial Ethernet applications, including factory automation, process automation and control, intelligent transportation systems (ITSs), rail transport, and mass transit.

### Switch Configurations

The Cisco IE 3010 Series includes the following products:

- Cisco IE-3010-24TC: Rugged Industrial Ethernet switch with 24 10/100BASETX ports and 2 dual-purpose Gigabit Ethernet uplinks. The dual-purpose Gigabit Ethernet uplinks consist of two 10/100/1000BASETX ports and two 100/1000 SFP ports on board. The user can select two fiber ports, two copper ports, or a combination of fiber and copper ports. Layer 2 LAN Base image is included.
- Cisco IE-3010-16S-8PC: Rugged Industrial Ethernet switch with 16 Fast Ethernet SFP ports, 8 10/100BASETX/PoE ports, and 2 dual-purpose Gigabit Ethernet uplinks. Layer 2 LAN Base image is included.
- PWR-RGD-LOW-DC/IA: Low DC (24/48V) power supply module for the IE-3010 switch.
- PWR-RGD-AC-DC/IA: High AC/DC (88-300VDC/85-264VAC) power supply module for the IE-3010 switch.

## Availability

The Cisco IE 3010 Series Switches will be available and orderable in November 2010.

## Ordering Information

Table 1 gives ordering information for the Cisco IE 3010 Series.

**Table 1.** Ordering Information for Cisco IE 3010 Series

Part Number	Description
<b>IE-3010-24TC</b>	<ul style="list-style-type: none"> <li>• Rugged Industrial Ethernet switch</li> <li>• 24 10/100BASETX ports and two dual-purpose Gigabit Ethernet uplink ports (each dual-purpose uplink port has one 10/100/1000 Ethernet port and one SFP-based Gigabit Ethernet port, one port active)</li> <li>• Layer 2 LAN Base image installed</li> <li>• Each switch supports two Cisco power supply units (PSUs)</li> </ul>
<b>IE-3010-16S-8PC</b>	<ul style="list-style-type: none"> <li>• Rugged Industrial Ethernet switch</li> <li>• 16 Fast Ethernet SFP ports, 8 10/100BASETX/PoE ports, and 2 dual-purpose Gigabit Ethernet uplink ports (each dual-purpose uplink port has one 10/100/1000 Ethernet port and one SFP-based Gigabit Ethernet port, one port active)</li> <li>• Layer 2 LAN Base image installed</li> <li>• Each switch supports two Cisco PSUs</li> </ul>
<b>PWR-RGD-LOW-DC/IA</b>	Low DC (24/48V) power supply module for the IE-3010 switch (available January 2011)
<b>PWR-RGD-LOW-DC/IAR</b>	Redundant low DC (24/48V) power supply module for the IE-3010 switch (available January 2011)
<b>PWR-RGD-AC-DC/IA</b>	High AC/DC (88-300VDC/85-264VAC) power supply module for the IE-3010 switch
<b>PWR-RGD-AC-DC/IAR</b>	Redundant high AC/DC (88-300VDC/85-264VAC) power supply module for the IE-3010 switch
<b>MEM-SD-1GB-RGD=</b>	Spare 1 GB SD flash memory card
<b>MEM-SD-COVER-RGD=</b>	Spare SD flash slot cover
<b>RPS-CG-COVER=</b>	Spare PSU slot cover
<b>RM-RGD-19IN=</b>	Spare 19" rack-mount kit
<b>CAB-CONSOLE-RJ45=</b>	Spare console cable 6 ft with RJ45 and DB9F
<b>CAB-CONSOLE-USB=</b>	Spare console cable 6 ft with USB Type A and mini-B
<b>GLC-SX-MM-RGD=</b>	Rugged Gigabit Ethernet SFP, LC connector, multimode fiber, 220-550 m
<b>GLC-LX-SM-RGD=</b>	Rugged Gigabit Ethernet SFP, LC connector, single mode fiber, 550 m – 10 km
<b>GLC-ZX-SM-RGD=</b>	Rugged Gigabit Ethernet SFP, LC connector, single mode fiber, 70 km
<b>GLC-FE-100FX-RGD=</b>	Rugged Fast Ethernet SFP, LC connector, multimode fiber, 2 km
<b>GLC-FE-100LX-RGD=</b>	Rugged Fast Ethernet SFP, LC connector, single mode fiber, 10 km



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