

# IE-4000-4TC4G-E Datasheet

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## Overview

IE-4000-4TC4G-E is an IE4000 series switch providing 4 x combo 10/100M, 4 x 1G Combo, and LAN Base. The IE 4000 Series is ideal for industrial Ethernet applications where hardened products are required, including manufacturing, energy, transportation, smart cities. The IE4000 has built-in SW image verification to ensure authenticity of the Cisco Software. With improved overall performance, greater bandwidth, advanced security features, and enhanced hardware, the Cisco IE 4000 Series complements the current industrial Ethernet portfolio of related Cisco industrial switches, such as the Cisco IE 2000 and IE 3000.

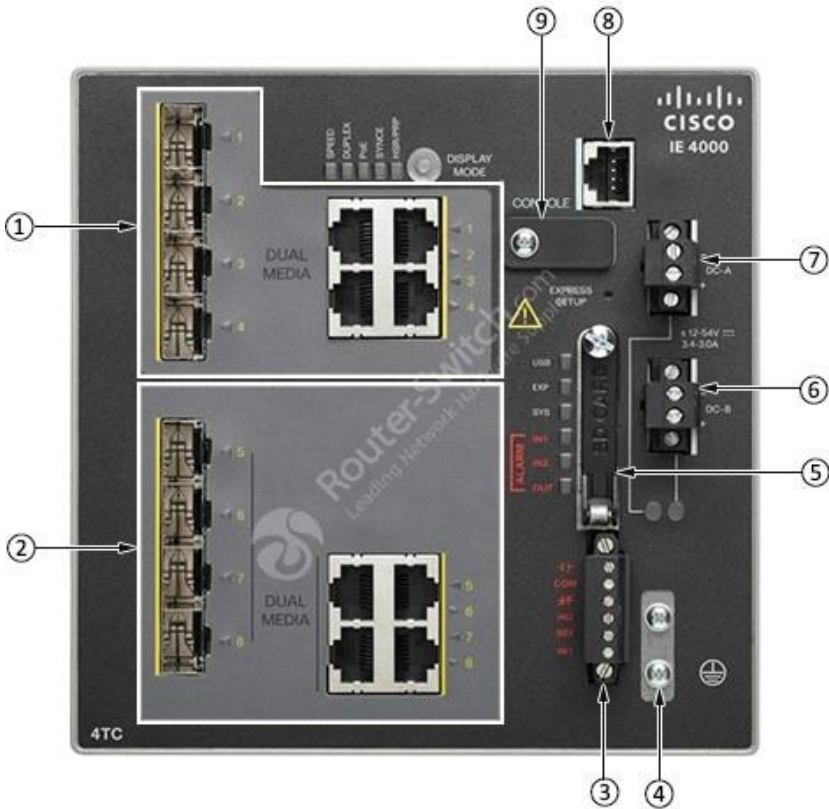
## Quick Spec

Table 1 shows the quick spec.

Model	IE-4000-4TC4G-E
Total Ports	8
GE combo uplinks (4G)	4 GE combo uplink ports (Combo ports provide one copper and one fiber physical port and only one can be activated at a time.)
Additional combo ports	4 FE
Default software	LAN Base feature set (Can be upgraded to IP Services at a fee.)
Dimensions (H x W x D)	6.12 x 6.12 x 5.09 in. (155.4 x 155.4 x 129.2 mm)
Weight	6.35 pounds (2.88 kg)

## Product Details

Figure 1 shows the front view of IE4000 4TC switches.



Note:

(1)	4 GE combo uplink ports
(2)	4 FE Additional combo ports
(3)	Alarm connector
(4)	Protective ground connection
(5)	Flash memory card slot
(6)	Power connector DC-B
(7)	Power connector DC-A
(8)	RJ-45 console port
(9)	USB mini-Type B (console) port (Use a screwdriver to remove the port cover and access the port.)

**Figure 2 shows the back view of IE4000 switches.**



### Supported Products

**Table 2 shows the supported modules, cards, licenses and accessories.**

Model	Description
L-IE4000-RTU=	Electronic IP SERVICES License for IE4000 Switches
C1F1PIE4K5K1K9	Cisco ONE Foundation Perpetual - IE 4000/5000
C1A1PIE40001K9	Cisco ONE Advanced Perpetual - IE 4000
GLC-SX-MM-RGD	Cisco GLC-SX-MM-RGD 1000Mbps Multi-Mode Rugged SFP
GLC-BX40-U-I	1000BASE-BX10 SFP module for single-strand SMF, 1310-nm TX/1550-nm RX wavelength, single LC/PC connector
GLC-TE	1000BASE-T SFP transceiver module for Category 5 copper wire



GLC-ZX-SM	1000BASE-ZX SFP
GLC-BX-U	1000BASE-BX SFP, 1310NM
SFP-GE-L	1000BASE-LX/LH SFP (DOM)
GLC-ZX-SMD	Cisco GLC-ZX-SMD 1000BASE-ZX SFP transceiver module, SMF, 1550nm, DOM
GLC-SX-MMD	Cisco GLC-SX-MMD 1000BASE-SX SFP transceiver module, MMF, 850nm, DOM
GLC-FE-100EX	100BASE-EX SFP (40km)
GLC-FE-100BX-U	100BASE-BX10-U SFP

Compare to Similar Items

Table 3 shows the comparison.

Model	IE-4000-4TC4G-E	IE-4000-8T4G-E
Total Ports	8	12
GE combo uplinks (4G)	4 GE combo uplink ports	4 GE combo uplink ports
Additional combo ports	4 FE	N/A
RJ-45 copper ports (T)	N/A	8 FE
Default software	LAN Base feature set	LAN Base feature set

Ordering Guide

-  [\[PDF\] Cisco Industrial Ethernet Switches Ordering Guide](#)
-  [\[PDF\] Simple Cisco Industrial Ethernet Switches \(IE 4000, IE 2000 included\) Selection Guides](#)

Get More Information

Do you have any question about the IE-4000-4TC4G-E?

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Specification

IE-4000-4TC4G-E Specification	
Physical Specification	
Total Ports	8
GE combo uplinks (4G)	4 GE combo uplink ports (Combo ports provide one copper and one fiber physical port and only one can be activated at a time.)
Additional combo ports	4 FE
Default software	LAN Base feature set (Can be upgraded to IP Services at a fee.)
Hardware	<ul style="list-style-type: none"><li>1GB DRAM</li><li>128-MB onboard flash memory</li><li>1-GB removable SD flash memory card</li><li>Mini-USB connector</li><li>RJ-45 connector</li></ul>
Alarm	Alarm I/O: two alarm inputs to detect dry contact open or closed, one alarm output relay

<b>Power Input</b>	<ul style="list-style-type: none"> <li>• Redundant DC input voltage with operating range: nominal 9.6 to 60VDC</li> <li>• Maximum DC input current:4.3A</li> </ul>
<b>Power consumption</b>	40W
<b>Dimensions (H x W x D)</b>	6.12 x 6.12 x 5.09 in. (155.4 x 155.4 x 129.2 mm)
<b>Weight</b>	6.35 pounds (2.88 kg)
<b>Switch performance and scalability</b>	
<b>Forwarding rate</b>	Line rate for all ports and all packet sizes
<b>Number of queues</b>	4 egress
<b>Unicast MAC addresses</b>	16,000
<b>IGMP multicast groups</b>	1,000
<b>Number of VLANs</b>	1,000
<b>IPv4 MAC security ACEs</b>	1,000 with default TCAM Template
<b>NAT translation</b>	Bidirectional, 128 unique subnet NAT translation entries, which can expand to tens of thousands of translated entries if designed properly

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