# IE-2000-8TC-B DataSheet

IE-2000-8TC-B industrial switch features 8 FE ports, 2 combo uplinks, DIN rail mounting, rugged design, and secure LAN Base software for harsh environments.

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## IE-2000-8TC-B Description

IE-2000-8TC-B Industrial Ethernet Switch offers 8 Fast Ethernet ports and 2 combo uplink ports, designed for industrial networking scenarios demanding reliability and security. As part of the Cisco IE 2000 Series, this ruggedized switch is built for harsh environments such as manufacturing, energy, mining, and transportation. IE-2000-8TC-B supports advanced security features and industry-leading protocols, ensuring highly secure access and superior network convergence. With its compact DIN rail mount design and dual DC power inputs, it fits perfectly into space-constrained control cabinets, making it a top choice for reliable industrial Ethernet connectivity. Synonyms: Cisco IE2000-8TC-B, Cisco Industrial Ethernet 2000 Series Switch.

## Product Highlights

Copper Ports

Combo Uplink Ports

Maximum Forwarding Bandwidth

## Quick Specs

| Key Parameter | Value |
|---|---|

| Copper Ports | 8 x FE |
|---|---|
| Combo Uplink Ports | 2 x FE |
| SFP Support | Yes |
| VLANs Supported | 1005 |
| PoE Support | No |
| Mounting | DIN rail |
| Power Input | Dual DC |
| Temperature Range | -40°C to 75°C |

## Key Features

## Rugged Industrial Ethernet Switch Product Comparison

| Feature | IE-2000-8TC-B | IE-2000-8TC-G-B | IE-2000-16TC-B |
|---|---|---|---|
| Total Ports | 10 | 10 | 20 |
| Copper FE Ports | 8 | 8 | 16 |
| Combo Uplink Ports | 2 x FE | 2 x GE | 2 x FE |
| SFP Support | Yes | Yes (GE) | Yes |
| VLANs Supported | 1005 | 1005 | 1005 |
| MAC Addresses | 8000 | 8000 | 8000 |
| Power Input | Dual DC | Dual DC | Dual DC |
| Operating Temp | -40°C to 75°C | -40°C to 75°C | -40°C to 75°C |
| Dimensions (mm) | 130×91.4×115 | 130×91.4×115 | 130x127x134 |
| Mounting | DIN Rail | DIN Rail | DIN Rail |

| | | | |
|---|---|---|---|
| PoE Support | No | No | No |
| Software License | LAN Base | LAN Base | LAN Base |

## Front Panel View

| 1 | 10/100 Ethernet ports (downlink ports) | 6 | Power connector DC-B[2] |
|---|---|---|---|
| 2 | Dual-purpose ports (uplink ports) | 7 | Alarm connector |
| 3 | USB mini-Type B (console) port[1] | 8 | Protective ground connection |
| 4 | RJ-45 console port | 9 | Flash memory card slot[1] |
| 5 | Power connector DC-A[2] | | |
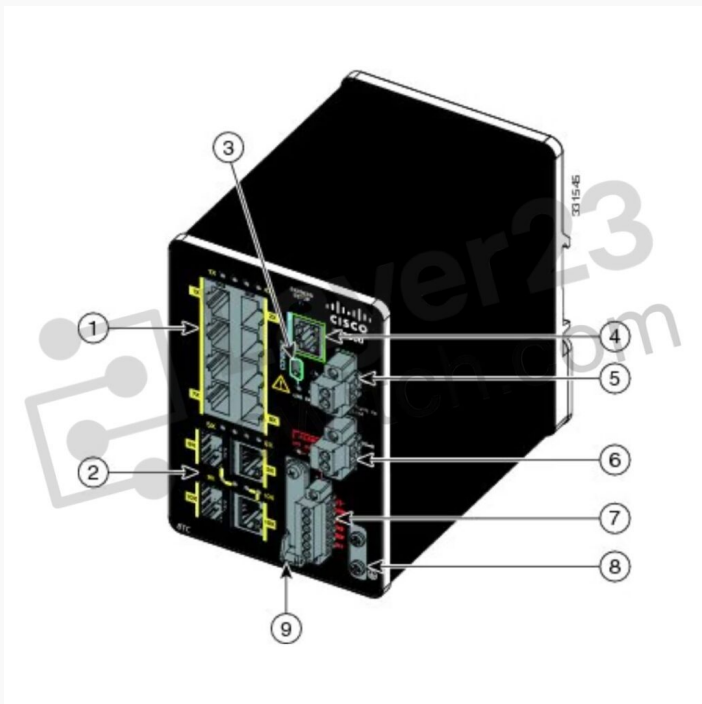


## Specification

| Parameter | Value | Parameter | Value |
|---|---|---|---|
| Model | IE-2000-8TC-B | Series | Industrial Ethernet 2000 |
| Total Ports | 10 | Copper Ports | 8 x 10/100 FE |
| Combo Uplinks | 2 x FE (RJ45/SFP) | SFP Support | Yes |
| Mounting | DIN Rail | Dimensions | 130×91.4×115 mm |
| Weight | 2.75 lbs (1.25 kg) | Power Input | Dual DC |
| Input Voltage | 24-48 VDC | Power Consumption | 12.5-20W |
| Operating Temp | -40°C to 75°C | Storage Temp | -40°C to 85°C |
| Humidity | 5% to 95% (non-cond) | Certifications | UL508, IEC 61850-3, etc. |
| Shock | 30G (IEC 60068-2-27) | Vibration | IEC 60068-2-6 |
| MAC Address Table | 8,000 | VLANs Supported | 1005 |
| IGMP Groups | 255 | IPv4 Routing | Static Routing |
| Software | LAN Base | Security | 802.1X, ACLs, SSH |
| Protocols | EtherNet/IP, PROFINET | REP/MRP Support | Yes |
| Alarm I/O | 2 Inputs, 1 Output | SD Card Slot | Optional |
| Fanless | Yes | MTBF | 374,052 hrs |
| Management | Web, SNMP, CLI | Redundancy | Dual DC |
| Compliances | CE, FCC, EN50121-4 | Warranty | 5 years |

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