



## IE-3105-18T2C-E DataSheet

Cisco IE-3105-18T2C-E: 18×Gigabit RJ45, 2×Combo uplink, L2NAT, rugged industrial switch for large automation, machine, and OT networks in harsh environments.

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### IE-3105-18T2C-E Description

Cisco Catalyst IE-3105-18T2C-E is a high-density, rugged industrial Ethernet switch with 18 Gigabit copper downlink ports and 2 combo uplinks (SFP or RJ45). Supporting Layer 2 Network Address Translation (L2NAT), advanced automation protocols, and robust Layer 2 switching, this model is engineered for machine networks, smart manufacturing, utilities, and critical OT infrastructure. Fanless, DIN rail mount, wide voltage, and -40°C to +75°C operation make it ideal for challenging industrial environments.

### Product Highlights

Ethernet Ports

Combo Ports

Forwarding Rate

### Quick Specs

Key Parameter	Value
Total Ports	20
Downlink Ports	18 × 1G RJ45

Uplink Ports	2 × Combo (1G SFP or 1G RJ45)
PoE Supported	No
Power Input	Dual DC (12–48V nominal, 9.6–60V abs)
Forwarding Rate	Line rate for all ports
MAC Address Table	8,000 entries
VLANs Supported	256
Mounting	DIN rail
Software License	Network Essentials

## Key Features

## Rugged Industrial Ethernet Switch Product Comparison

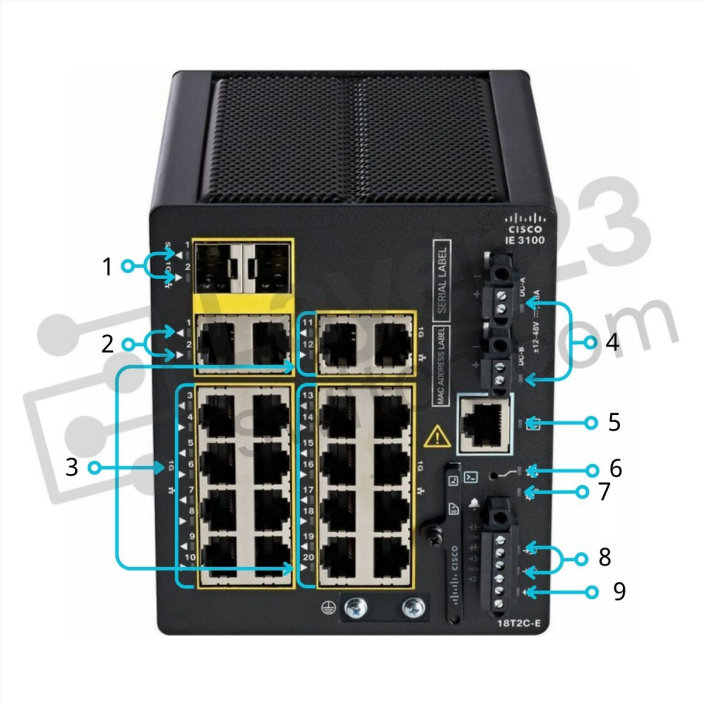
Model	IE-3105-18T2C-E	<a href="#">IE-3100-18T2C-E</a>	<a href="#">IE-3200-8T2S-E</a>
Downlink Ports	18×1G RJ45	18×1G RJ45	8×1G RJ45
Uplink Ports	2×Combo (SFP/RJ45)	2×Combo (SFP/RJ45)	2×1G SFP
L2NAT Support	Yes	No	No
PoE Supported	No	No	No
Max. Total Ports	20	20	10
MAC Address Table	8,000	8,000	8,000
VLANs Supported	256	256	256
Forwarding Rate	Line rate	Line rate	Line rate
Power Input	Dual DC (12–48V)	Dual DC (12–48V)	Dual DC (9.6–60V)
Mounting	DIN rail	DIN rail	DIN rail

Operating Temp.	-40°C to +75°C	-40°C to +75°C	-40°C to +75°C
Software License	Network Essentials	Network Essentials	Network Essentials

**IE-3105-18T2C-E Front Panel Overview**

The illustrations in this section provide an overview of the variety of components available on the various switch models in this product family. Not all models are illustrated.

Number	Feature	Number	Feature
1	Dual-media SFP ports (uplinks)	6	Power connectors A and B
2	Dual-media copper ports (uplinks)	7	RJ-45 console connector
3	1000BASE-T ports (downlinks)	8	Express Setup button
4	SD card slot and USB micro port cover	9	Alarm connector
5	Protective ground connection		



## Specification

Parameter	Value	Parameter	Value
<b>Model</b>	IE-3105-18T2C-E	<b>Ports</b>	18×1G RJ45, 2×Combo uplink
<b>PoE Supported</b>	No	<b>Mounting</b>	DIN rail
<b>Dimensions</b>	5.00×4.30×5.08 in (12.70×10.92×12.90 cm)	<b>Weight</b>	2.8 lb (1.27 kg)
<b>Power Input</b>	Dual DC 12–48V nominal (9.6–60V abs)	<b>Power Consumption</b>	36.7W
<b>MAC Address Table</b>	8,000	<b>VLANs</b>	256
<b>Forwarding Rate</b>	Line rate, all packet sizes	<b>Queues</b>	8 egress
<b>Alarm I/O</b>	2 dry-contact alarm inputs	<b>Console Ports</b>	1×RS-232 (RJ-45), 1×Micro USB
<b>Operating Temp.</b>	–40°C to +75°C	<b>Storage Temp.</b>	–40°C to +85°C
<b>Software License</b>	Network Essentials	<b>DRAM</b>	4 GB
<b>SD Card</b>	1/4/16 GB (optional)	<b>Management</b>	WebUI, CLI, SNMP, Cisco Catalyst Center
<b>Protocols</b>	EtherNet/IP, PROFINET, Modbus, L2NAT	<b>Certifications</b>	IEC 62443-4-1/4-2, EN 55032A, EN 61000-6-2

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