



## IE-3200-8T2S-A DataSheet

Cisco IE-3200-8T2S-A Rugged Series switch: 8 Gigabit copper, 2 SFP, dual DC, full-rate switching, IOS XE API, MACsec-256, OSPF/BGP, ideal for demanding industrial networks.

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## IE-3200-8T2S-A Description

The Cisco Catalyst IE-3200-8T2S-A Rugged Series switch delivers high-performance, industrial-grade connectivity in a compact DIN-rail form factor. Built on Cisco IOS XE, it offers API-driven configuration, Secure Boot, and full MACsec support when licensed. Eight RJ-45 Gigabit downlinks and two SFP uplinks run at line-rate for all packet sizes, while dual DC inputs (9.6–60 VDC) ensure reliable power. Hardened to  $-40^{\circ}\text{C}$  to  $+75^{\circ}\text{C}$  with vibration, shock, and electrical-noise immunity, it's ideal for harsh environments. The Network Advantage license adds OSPF, BGP, VRF-Lite, and advanced multicast for complex industrial networks.

## Model Meaning

Segment	Description
<b>IE-3200</b>	Catalyst IE3200 Rugged Series industrial switch
<b>8T</b>	8 × 10/100/1000 Mbps RJ-45 copper downlink ports
<b>2S</b>	2 × 100/1000 Mbps SFP uplink ports
<b>-A</b>	Network <b>Advantage</b> license (advanced Layer 3, security features)

## Rugged Industrial Ethernet Switch Model Comparison

Model	Ports (Cu/SFP)	License	PoE Budget	Switching Capacity (full-duplex)	Forwarding Rate
<b>IE-3200-8T2S-A</b>	8 / 2	Network Advantage	N/A	20 Gbps	Line-rate (all ports)
<b>IE-3200-8P2S-E</b>	8 / 2	Network Essentials	240 W	20 Gbps	Line-rate (all ports)
<b>IE-3100-4P2S-E</b>	4 / 2	Network Essentials	120 W	12 Gbps	Line-rate (all ports)

## Specification

Parameter	IE-3200-8T2S-A
Product Number	IE-3200-8T2S-A
Total Ports	10 (8 RJ-45, 2 SFP)
License	Network Advantage
PoE Budget	N/A
Forwarding Rate	Line rate for all ports
Number of Queues	8
Unicast MAC Addresses	8 000
IGMP Snooping	1 000 groups
VLANs	256
STP Instances	128
IPv4 Indirect Routes	2 000
DRAM	2 GB
Flash Memory	1.5 GB
SD Card	4 GB, 16 GB (optional)
Jumbo Frames	8996 bytes
Input Voltage	9.6-60 VDC
Max Input Current	2.4 A
Power Consumption	23 W
Operating Temp.	-40 °C to +75 °C
Dimensions	6 × 3.6 × 5.3 in (15.2×9.1×13.5 cm)
Weight	3.8 lb (1.7 kg)
Mounting	DIN rail
Console Ports	1×RS-232, 1×USB Mini-B
Alarm I/O	2 inputs, 1 output

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