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IE-3100-8T2C-A DataSheet

Din-rail Gigabit switch IE-3100-8T2C-A: 8×1GbE, 2 combo SFP/RJ45, –40 to 75 °C, 9.6–60 V DC, 17.7 W, Network Advantage with Secure Boot & automation APIs.

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IE-3100-8T2C-A Description

Cisco IE-3100-8T2C-A delivers a rugged, fan-less Gigabit switch with eight copper downlinks plus two versatile combo SFP/RJ-45 uplinks. Powered by Cisco IOS XE with a Network Advantage license, it supports advanced security, automation APIs (NETCONF/RESTCONF), and industrial protocols in extreme environments. Ideal as an industrial gigabit edge switch or hardened DIN-rail switch for Industry 4.0, smart buildings, and transportation networks.

Model Meaning

Code segment	Meaning
IE	Cisco Industrial Ethernet family
3100	IE 3100 Rugged Series
8T	8 × 10/100/1000 Base-T RJ-45 downlinks
2C	2 × 1 Gb combo (SFP/RJ-45) uplinks
A	Network Advantage software license

Key Features

Rugged Industrial Ethernet Switch Product Comparison

Parameter	IE-3100-8T2C-A	IE-3100-8T2C-E	IE-3100-8T4S-E
Downlink ports	8 × RJ-45	8 × RJ-45	8 × RJ-45
Uplink ports	2 × 1 Gb combo	2 × 1 Gb combo	4 × 1 Gb SFP
Total ports	10	10	12
Software license	Network Advantage	Network Essentials	Network Essentials
Switching capacity	Line-rate, all ports	Line-rate, all ports	Line-rate, all ports
MAC table size	8 000 entries	8 000 entries	8 000 entries
DRAM	4 GB	4 GB	4 GB
Power consumption	17.7 W typical	17.7 W typical	17.8 W typical

Specification

Parameter	Value
Model	IE-3100-8T2C-A
Total Ports	10 × 1 GbE
Copper Downlinks	8 × 10/100/1000 RJ-45
Combo Uplinks	2 × 1 Gb SFP/RJ-45
Software License	Network Advantage
Switching Capacity	Line-rate, all ports
Forwarding Rate	Line-rate, all sizes
MAC Address Table	8 000 entries
VLANs Supported	256
IGMP Groups	512
Egress Queues	8 hardware queues
DRAM	4 GB
SD Card Support	1 / 4 / 16 GB
Input Voltage	9.6–60 V DC (dual)
Power Consumption	17.7 W typical
Max Current	2 A @ 12 V; 0.5 A @ 48 V
Dimensions (H×W×D)	5 × 3 × 4.33 in
Weight	0.86 kg
Operating Temp	–40 °C to 75 °C
Storage Temp	–40 °C to 85 °C
Humidity	5–95 % (non-cond.)
Shock	30 G, 11 ms (half-sine)
MTBF	~854 560 hours
Ingress Rating	IP30
Warranty	5-year limited hardware

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