

BRAND NEW &amp; VERIFIED



## VERIFIED PRODUCT DATASHEET

**IE-3300-8U2X-A**

Cisco Network Hardware Specification, Availability and Quote Reference

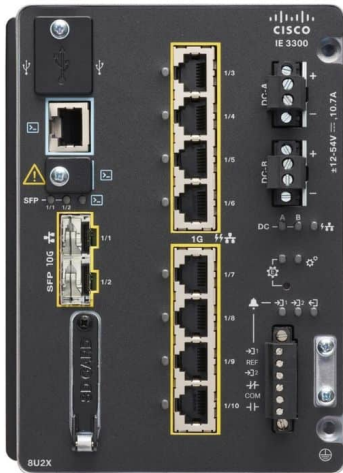
<b>Product Model</b>	<b>IE-3300-8U2X-A</b>
<b>Document Type</b>	<b>Product Datasheet</b>
<b>Condition</b>	<b>Brand New, Original and Verifieded</b>
<b>Supplier</b>	<b>Layer23-Switch.com</b>

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## IE-3300-8U2X-A Datasheet

The Cisco IE-3300-8U2X-A datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the IE-3300-8U2X-A and integrate it into enterprise or service provider networks with confidence.

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## Key Features

### 10G High-Speed Uplinks

Future-Proof Backhaul. Features two 10 Gigabit SFP+ ports, providing massive uplink bandwidth for data-intensive industrial applications. This ensures that high-definition video streams from multiple cameras or big data from thousands of IoT sensors can be transmitted to the control center without latency or bottlenecks.

### High-Power 60W 4PPoE

Industrial Powerhouse. All 8 copper ports support 4-pair Power over Ethernet (4PPoE), delivering up to 60 Watts per port. This capacity is essential for powering next-generation industrial devices such as outdoor heated PTZ cameras, high-performance wireless bridges, and heavy-duty sensors that require more than the standard 30W PoE+.

### Advanced Layer 3 Intelligence

Routing at the Edge. Includes the Network Advantage license, enabling advanced dynamic routing protocols like OSPF, BGP, and EIGRP. This allows the switch to make intelligent routing decisions locally, reducing latency and reliance on core routers, which is critical for real-time industrial control systems.

### Modular Scalability

Grow as Needed. Supports the attachment of Cisco IEM-3300 expansion modules to increase port count up to 26 ports. This modular design allows engineers to deploy a compact base unit today and expand with additional copper, fiber, or PoE ports as the industrial network evolves.

### Ruggedized for Extremes

Hardened Design. Built to operate reliably in the harshest conditions. The switch is fanless, convection-cooled, and rated for extreme temperatures (-40°C to +75°C). It is certified for shock and vibration, making it suitable for deployment in mining, oil and gas, and transportation sectors.

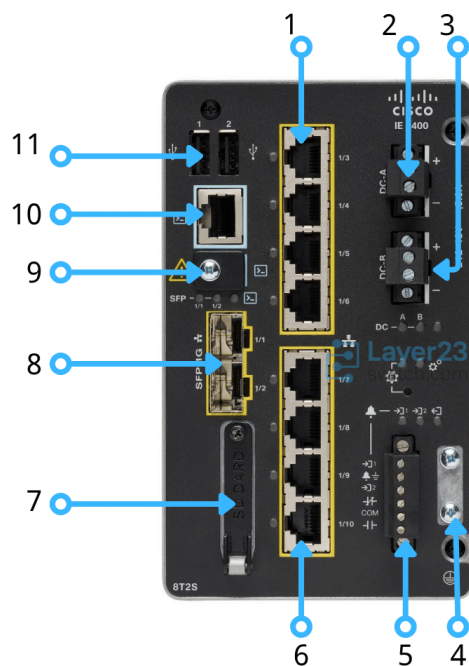
### Edge Compute Ready

Cisco IOx Support. Powered by a high-performance ARM quad-core processor, this switch supports Cisco IOx application hosting. It can run Docker containers natively, enabling edge computing use cases like protocol translation, data filtering, or local analytics before data is sent to the cloud.

## IE-3300-8U2X-A 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.

1	10/100/1000 Copper Ethernet ports (downlink ports)	7	Flash memory card slot
2	Power connector DC-B	8	SFP module slots (uplink ports)
3	Power connector DC-A	9	USB mini-Type B (console) port
4	Protective ground connection	10	RJ-45 console port
5	Alarm connector	11	USB mini-Type A port
6	10/100/1000 Copper Ethernet ports (downlink ports)		



## Specification

Parameter	Details	Parameter	Details
<b>Model SKU</b>	IE-3300-8U2X-A	<b>Series Family</b>	Cisco Catalyst IE3300 Rugged Series
<b>Total Ports (Base)</b>	10	<b>Modular Expansion</b>	Yes (Supports IEM-3300)
<b>Copper Ports</b>	8 x 10/100/1000 4PPoE	<b>Fiber Uplinks</b>	2 x 1G/10G SFP+
<b>PoE Standard</b>	802.3bt Type 3 (60W), 802.3at	<b>Max PoE Budget</b>	480W (Requires dual power inputs)
<b>Software License</b>	Network Advantage	<b>Operating System</b>	Cisco IOS XE
<b>Switching Capacity</b>	56 Gbps (Line rate)	<b>Forwarding Rate</b>	41.67 Mpps
<b>DRAM</b>	4 GB	<b>Flash Memory</b>	4 GB
<b>Alarm I/O</b>	2x Alarm Inputs, 1x Alarm Output	<b>Removable Storage</b>	SD Card (4GB max)
<b>Console Ports</b>	1x RS-232 (RJ45), 1x Mini-USB	<b>Power Input</b>	Dual DC Inputs (Redundant)
<b>Input Voltage Range</b>	9.6 to 60 VDC (54V for PoE)	<b>Power Consumption</b>	46W (System only, no PoE)
<b>Mounting</b>	DIN Rail	<b>Fan Status</b>	Fanless (Convection Cooled)
<b>Dimensions (H x W x D)</b>	6.0 x 3.6 x 5.3 in (15.2 x 9.1 x 13.5 cm)	<b>Weight</b>	3.8 lb (1.7 kg)
<b>Operating Temperature</b>	-40°F to 158°F (-40°C to 70°C)	<b>Ingress Protection</b>	IP30
<b>Mean Time Between Failures</b>	547,580 Hours	<b>Application Hosting</b>	Cisco IOx supported
<b>Safety Certifications</b>	UL/CSA 60950-1, UL/CSA 61010-2-201	<b>Hazardous Locations</b>	Class I, Div 2, Zone 2

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