

IE340 Series

Industrial Ethernet, Layer 3 Switches



Key Features

- 1 Designed for industrial environment ¹
- 2 Standard northbound interface for network automation NETCONF/RESTCONF and network orchestration OpenFlow
- 3 Industrial automation and control protocols PROFINET, Modbus/TCP
- 4 Network time synchronization ²
- 5 PoE+ sourcing with advanced features:
 - Continuous PoE
 - Dynamic allocation of power budget
- 5 Comprehensive low-latency wire-speed QoS for video streaming
- 6 Dual power inputs for redundancy
- 7 DIN rail and wall mount
- 8 Air convection cooling (fanless)
- 9 Extended operating temperature range: -40° C to 75° C (-40° F to 167° F); tested @ 85° C

¹ Comply with:
IEC 61000-6-2 and IEC 61000-6-4 for use in industrial locations
IEC 62236-4 for railway applications (signalling and telecommunications)
² IEEE 1588 Precise Time Protocol, Transparent Clock

Product Specifications

PRODUCT	10/100/1000T COPPER PORTS	100/1000X SFP PORTS	TOTAL PORTS	POE ENABLED PORTS	SWITCHING FABRIC	FORWARDING RATE
IE340-12GP	8	4	12	8	24Gbps	17.8Mpps
IE340-20GP	16	4	20	16	40Gbps	29.7Mpps

Power Characteristics

PRODUCT	INPUT VOLTAGE ³	NON POE+ LOAD			FULL POE+ LOAD			TOTAL POE POWER BUDGET (W)	POE SOURCING PORTS		
		MAX POWER CONSUMPTION (W)	MAX HEAT DISSIPATION (BTU/H)	MAX NOISE (DBA)	MAX POWER CONSUMPTION (W)	MAX HEAT DISSIPATION (BTU/H)	MAX NOISE (DBA)		POE (15W)	POE+ (30W)	POE++
IE340-12GP	18~57V DC	24	81.9	Fanless	271	105.8	Fanless	240	8	8	-
IE340-20GP	18~57V DC	24	81.9	Fanless	271	105.8	Fanless	240	16	8	-

³ PoE sourcing equipment requires:
48V DC to enable IEEE 802.3at Type 1 (PoE)
54V DC to enable IEEE 802.3at Type 2 (PoE+)

Physical Specifications

PRODUCT	WIDTH / DEPTH / HEIGHT	WEIGHT	ENCLOSURE	PROTECTION RATE
IE340-12GP	91 x 139 x 153 mm (3.58 x 5.47 x 6.02 in)	Din rail: 2.34 kg (5.16 lb) Wall mount: 2.23 kg (4.91 lb)	Aluminium, Sheet Metal Shell	IP30
IE340-20GP	91 x 139 x 153 mm (3.58 x 5.47 x 6.02 in)	Din rail: 2.34 kg (5.16 lb) Wall mount: 2.23 kg (4.91 lb)	Aluminium, Sheet Metal Shell	IP30

Latency (microseconds)

PRODUCT	PORT SPEED	
	100MBPS	1GBPS
IE340-12GP	5.46µs	2.44µs
IE340-20GP	5.38µs	2.43µs

Ordering Information

HV-IE340-12GP-980	8x 10/100/1000T, 4x 100/1000X SFP, Industrial Ethernet, Layer 3 Switch, PoE+ Support
HV-IE340-20GP-980	16x 10/100/1000T, 4x 100/1000X SFP, Industrial Ethernet, Layer 3 Switch, PoE+ Support
HV-IE048-120-20	120W @48V DC, Industrial AC/DC Power Supply, DIN rail mount
HV-IE048-240-20	240W @48V DC, Industrial AC/DC Power Supply, DIN rail mount
HV-IE048-480-20	480W @48V DC, Industrial AC/DC Power Supply, DIN rail mount

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