

Technical Specifications

- Technical Specifications, on page 1
- Connectors and Cabling, on page 2
- Torque Specifications, on page 3

Technical Specifications

Table 1: Physical Configurations

Physical Specifications	**IE-3100H-6FT2T-E**	**IE-3100H-8T-E**
Dimensions (H x W x D)	7.90 x 2.71 x 2.10 in 20.07 x 6.88 x 5.33 cm	7.90 x 2.71 x 2.10 in 20.07 x 6.88 x 5.33 cm
Weight (including the supplied dust caps installed)	0.754 Kg	0.738 Kg
Mounting	Wall	Wall
Environmental Ranges		
Storage temperature	–40 to 85°C (–40 to 185°F)	
Operating temperature (measured inside enclosure, 1 inch below the bottom surface of the switch)	–40 to 75°C (–40 to 167°F) **Caution** Operating temperatures exceeding 60°C are not covered by the product safety certifications and approvals. • Fan Cooled Enclosure Operating: -40°C to +75°C (-40°F to 167°F) • Vented Enclosure Operating: -40°C to +70°C (-40°F to 158°F) with minimum 40 lfm on unit • Sealed Enclosure Operating: -40°C to +60°C (-40°F to 140°F) • Short Term Operating: +85°C (185°F) for 16 hours	
Operating humidity	5 to 95% (non condensing)	

Physical Specifications	IE-3100H-6FT2T-E	IE-3100H-8T-E
Ingress Protection/Type Ratings	IP66 and IP67 Rated for protection against dust and submersion in water. NEMA Type 4 **Caution** IP66 and IP67, NEMA Type 4 compliant only when all IP67 cables are mated and torqued appropriately or with the supplied dust caps attached.	
Operating altitude	Up to 15,000 feet (4572 meters) with no derating; Up to 40,000 feet (12,192 meters) derated to 25°C ambient	
Storage altitude	Up to 40,000 feet (12192 meters)	

Table 2: Power Specifications

Power Specifications	IE-3100H-6FT2T-E	IE-3100H-8T-E
Marked Input voltage range	12 to 48 VDC	12 to 48 VDC
Input voltage range (Absolute)	9.6 to 60VDC	9.6 to 60VDC
Marked Input current rating	1.5 A	1.5 A
Input current @ (9.6V / 60V)	0.998 A/0.174 A	1.265 A/ 0.210 A
Power consumption @ (9.6V / 60V)	9.58 W / 10.44 W	12.14 W/ 12.60 W

Connectors and Cabling

Table 3: Cisco Catalyst IE3100H Heavy Duty Series Switches Cables and Connectors

Data Ports	• Copper 100 Base-T M12 D coded 4 pole (pin) cable: M12 Male and/or M12/RJ-45 connector • Copper GE M12 X coded 8 pole (pin) shielded cable: M12 Male and/or M12/RJ-45 connector
Power Input	M12 L-code female plug
Console Cable:	Console Cable with RS-232 with A-code M12 connector CAB-CONSOLE-M12=

Torque Specifications

Table 4: Cisco Catalyst IE3100H Heavy Duty Series Switch Torque Specs

Console, Ethernet ports (M12 Connectors)	4.43 to 7.08 in-lbs (0.5 to 0.8 Nm)
M12 Connector Dust Cap (Console, Ethernet ports)	4.5 to 5.5 in-lbs (0.51 to 0.62 Nm)
Power Supply Connector (M12 L-code)	5.3 in-lbs (0.60 Nm)
SD Card Access Door Captive Screws	4.43 to 7.08 in-lbs (0.5 to 0.8 Nm)