Technical Specifications

This chapter contains the following sections:

Enclosure Specifications

The most current technical specifications for the IE 4000 series switches can be found in the IE 4000 Data Sheet. Additional specs and detail not in the Data Sheet, are found in this section.

The following table lists the enclosure specifications for the Industrial Ethernet 4000 series switches.

Table 1: Table 5 Enclosure specifications for the Cisco IE 4000 Switches

	Industrial Automation and Hazardous Locations	Substation	Traffic Signal
Enclosure types	Sealed enclosures For example: NEMA4, NEMA4X,NEMA12, NEMA13, IP54, and IP66.	Vented enclosures For example: NEMA1, IP20, and IP21.	Fan or blower-equipped enclosures For example: NEMA TS-2. Note: The minimum airflow is 150 lfm1.

1. lfm = linear feet per minute.

Note Note: The safety certifications apply only to ambient temperatures under 158 F (70 C). For IE-4000-8GT8GP4G maximum recommend ambient is 131 F (55 C) at max POE budget of 240W. However, the Cisco IE 4000 switch can function in the substation and traffic signal installations under the environmental conditions shown in the previous table.

Alarm Ratings

The alarm ratings for the Cisco IE 4000 switches are below.

Table 2: Table 6 Cisco IE 4000 Alarm Ratings

Alarm Ratings	Specification
Alarm input electrical specification	No power required—open or closed state detected.
Alarm output electrical specification	1.0 A @ 24 VDC or 0.5 A @ 48 VDC