

Specifications

Technology

Standards	<ul style="list-style-type: none"> IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX/100BASE-FX, IEEE802.3ab 1000BASE-T, IEEE802.3z 1000BASE-SX/1000BASE-LX, IEEE802.3x, IEEE802.1p, IEEE802.1Q, IEEE802.1w, IEEE802.1x, IEEE802.3af
Forward and Filtering Rate	<ul style="list-style-type: none"> 14,880pps for 10Mbps 148,810pps for 100Mbps 1,488,100pps for 1000Mbps
Packet Buffer Memory	<ul style="list-style-type: none"> 2M bits
Processing Type	<ul style="list-style-type: none"> Store-and-Forward Half-duplex back-pressure and IEEE802.3x full-duplex flow control
Address Table Size	<ul style="list-style-type: none"> 8192 MAC addresses

Power

Power Input	<ul style="list-style-type: none"> Redundant power inputs: <ul style="list-style-type: none"> Terminal Block: 47 - 57VDC DC Jack: 47 - 57VDC
Power Consumption	<ul style="list-style-type: none"> Device: Max. 15W (without PoE) PoE power budget (depends on power input): <ul style="list-style-type: none"> 181.6W Max.
PoE Power Output	<ul style="list-style-type: none"> Port 1 to 8 IEEE802.3af: up to 15.4W/port, 47 - 57VDC. IEEE802.3at: up to 30W/port, 50 - 57VDC
<ul style="list-style-type: none"> Supports overload current protection Supports reverse polarity protection 	

Mechanical

Casing	<ul style="list-style-type: none"> Metal case IP30
Dimensions	<ul style="list-style-type: none"> 65mm (W) x 145mm (D) x 165mm (H) (2.56" (W) x 5.71" (D) x 6.5" (H))
Weight	<ul style="list-style-type: none"> 1Kg (2.2lbs.)
Installation	<ul style="list-style-type: none"> Din-Rail (Top hat type35mm), Wall Mount

Interface

Ethernet Port	<ul style="list-style-type: none"> 10/100BASE-TX (PoE): 8 or 4 ports 100BASE-FX: 0, 2 or 4 ports Gigabit: 0, 1 or 2 ports
Console Port	<ul style="list-style-type: none"> Port: One DB9 RS-232 port
LED Indicators	<ul style="list-style-type: none"> Per Unit: Power Status (Power 1, Power 2, Power 3) Per Port: PoE (Amber) for 10/100TX, 10/100TX, 100FX: Link/Activity (Green), Gigabit: Link/Activity (Green)

Environment

Operating Temperature	<ul style="list-style-type: none"> -40°C to 75°C (-40°F to 167°F) Tested @ -40°C to 85°C (-40°F to 185°F)
Storage Temperature	<ul style="list-style-type: none"> -40°C to 85°C (-40°F to 185°F)
Ambient Relative Humidity	<ul style="list-style-type: none"> 5% to 95% (non-condensing)
MTBF	<ul style="list-style-type: none"> 37.87 years

Regulatory Approvals

ISO	<ul style="list-style-type: none"> Manufactured in an ISO9001 facility
Safety	<ul style="list-style-type: none"> UL508
EMI	<ul style="list-style-type: none"> FCC Part 15, Class A EN61000-6-4 <ul style="list-style-type: none"> EN55022 EN61000-3-2 EN61000-3-3
EMS	<ul style="list-style-type: none"> EN61000-6-2 <ul style="list-style-type: none"> EN61000-4-2 (ESD Standards) <ul style="list-style-type: none"> Contact: +/- 6KV; Criteria B Air: +/- 8KV; Criteria B EN61000-4-3 (Radiated RFI Standards) <ul style="list-style-type: none"> 10V/m, 80 to 1000MHz; 80% AM Criteria A EN61000-4-4 (Burst Standards) <ul style="list-style-type: none"> Signal Ports: +/- 4KV; Criteria B D.C. Power Ports: +/- 4KV; Criteria B EN61000-4-5 (Surge Standards) <ul style="list-style-type: none"> Signal Ports: +/- 1KV; Line-to-Line; Criteria B D.C. Power Ports: +/- 0.5KV; Line-to-Earth; Criteria B EN61000-4-6 (Induced RFI Standards) <ul style="list-style-type: none"> Signal Ports: 10Vrms @ 0.15 - 80MHz; 80% AM Criteria A D.C. Power Ports: 10Vrms @ 0.15 - 80MHz; 80% AM Criteria A EN61000-4-8 (Magnetic Field Standards) <ul style="list-style-type: none"> 30A/m @ 50, 60Hz; Criteria A
Environmental Test Compliance	<ul style="list-style-type: none"> IEC60068-2-6 Fc (Vibration Resistance) <ul style="list-style-type: none"> 5g @ 10 - 150Hz, Amplitude 0.35mm (Operation/Storage/Transport) IEC60068-2-27 Ea (Shock) <ul style="list-style-type: none"> 25g @ 11ms (Half-Sine Shock Pulse; Operation) 50g @ 11ms (Half-Sine Shock Pulse; Storage/Transport) IEC60068-2-32 Ed (Free Fall) <ul style="list-style-type: none"> 1M (3.281ft.)

Order Information

IES-1085 - x 802.3afBU + 2 GE SFP Managed Switch -40 to 75C, DIN-rail

Package Contents

IES-1085

CD Manual / Utility

Quick Installation Guide

Optional Accessories

SFP-4200 - 1.25G MMF SFP Transceiver (550m, 850nm, -20 to 85C)
 SFP-4210 - 1.25G SMF SFP Transceiver (10km, 1310nm, -40 to 85C)
 SFP-4240 - 1.25G SMF SFP Transceiver (40km, 1310nm, -40 to 85C)
 SFP-4270 - 1.25G SMF SFP Transceiver (70km, 1550nm, -40 to 85C)
 SFP-4310 - 1.25G BIDI SMF SFP Transceiver (10km, 1310nm, -40 to 85C)
 SFP-4320 - 1.25G BIDI SMF SFP Transceiver (10km, 1550nm, -40 to 85C)

SFP-4330 - 1.25G BIDI SMF SFP Transceiver (20km, 1310nm, -40 to 85C)
 SFP-4340 - 1.25G BIDI SMF SFP Transceiver (20km, 1550nm, -40 to 85C)
 SFP-4350 - 1.25G BIDI SMF SFP Transceiver (40km, 1310nm, -40 to 85C)
 SFP-4360 - 1.25G BIDI SMF SFP Transceiver (40km, 1550nm, -40 to 85C)
 SFP-4370 - 1.25G BIDI SMF SFP Transceiver (60km, 1310nm, -40 to 85C)
 SFP-4380 - 1.25G BIDI SMF SFP Transceiver (60km, 1550nm, -40 to 85C)