



Unmanaged Industrial Network Switches - MS1 Series



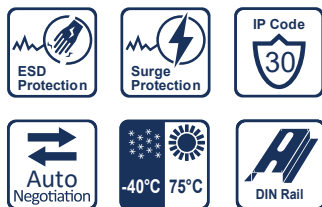
- Premium Devices Feature Industrial Protocol Priority (EtherNet/IP, PROFINET)
- QoS/CoS (802.1p) Supported on MS-U16G and Premium Unmanaged
- 12-48VDC Wide Input Voltage Range; Redundant Power Option on Select Models
- Standard DIN Rail Mount; Wall Mounting Available on 5-Port Models
- All Models Feature Reverse Polarity / Overload Protection



		Unmanaged			Premium Unmanaged	
		MS1-U05L	MS1-U08L	MS1-U16G	MS1-P05G	MS1-P08G
Port Specifications	RJ45 Copper Ports	Five (5)	Eight (8)	Sixteen (16)	Five (5)	Eight (8)
	RJ45 Speed	10/100BASE-T		10/100/1000BASE-T		
	RJ Nominal Max. Distance	328 feet (100 meters)				
	Auto Negotiation & MDI/MDI-X	Supported				
Performance	Jumbo Frame Size	1552 byte frames		10k byte frames	9216 byte frames	
	MAC Table size	1K entries		8K entries	2K entries	4K entries
	Throughput	14,880 pps to 10 Mbps Ethernet ports 148,800 pps to 100 Mbps Fast Ethernet ports		14,880 pps to 10 Mbps Ethernet ports 148,800 pps to 100 Mbps Fast Ethernet ports 1,488,000 pps to 1000 Mbps Gigabit Ethernet ports		
	Switch Fabric	1.0 Gbps	1.6 Gbps	32 Gbps	10 Gbps	16 Gbps
	L2 Forwarding Rate	0.7 Mpps	11.9 Mpps	23.8 Mpps	7.4 Mpps	11.9 Mpps
	Packet Buffer	448Kbits		1Mbits	1.5Mbits	4.1Mbits
Traffic Control	802.1p QoS/CoS	N/A		Prioritize QoS Tags (not configurable)		
	Industrial QoS	N/A		PROFINET Only	EtherNet/IP, PROFINET, GOOSE	
	QoS Queue	N/A		Eight (8) per port (FIFO)		
	Port Priority	N/A			Port 1	Port 1 and 2
	Flow Control	Yes				
	Storm Control	Yes				
	VLAN Passthru	Supports up to 4094 VLAN IDs				
Standards	LLDP Filter	Yes				
	IEEE Compliance	802.3, 802.3u, 802.3x				
Power Details		N/A		802.3ab, 802.1p		
	Input Voltage	12–48VDC				
	Input Connector	Terminal block				
	Max Input Current	0.125A @ 24VDC	0.125A @ 24VDC	0.583A @ 24VDC	0.125A @ 24VDC	0.208A @ 24VDC without alarm (1.208A @ 24VDC with alarm)
	Max Power Consumption	3W	3W	14W	3W	5W
	Reverse Polarity Protection	Yes				
	Overload Protection	Yes				
	Redundant Power System	N/A				Yes, 12–48 VDC



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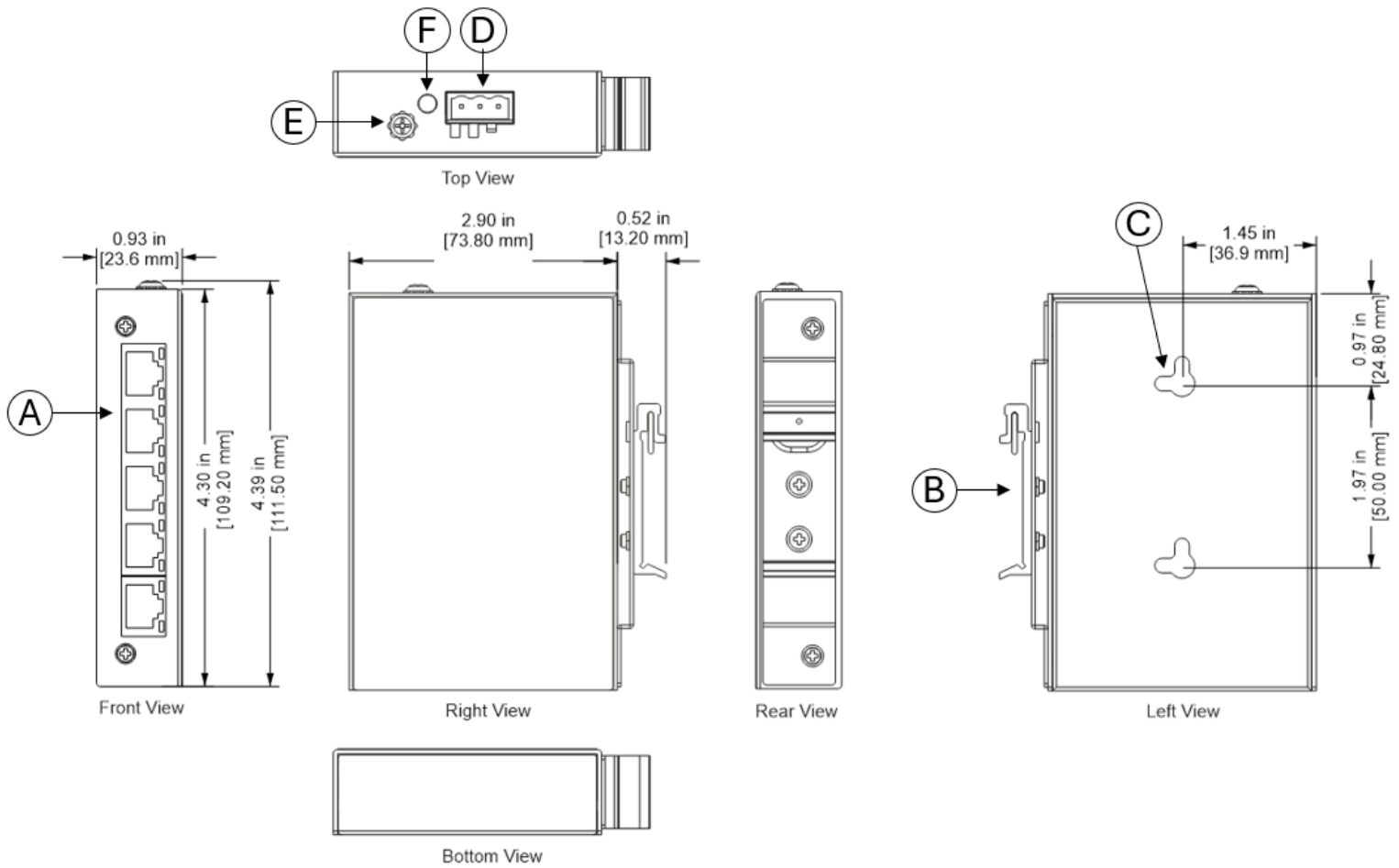


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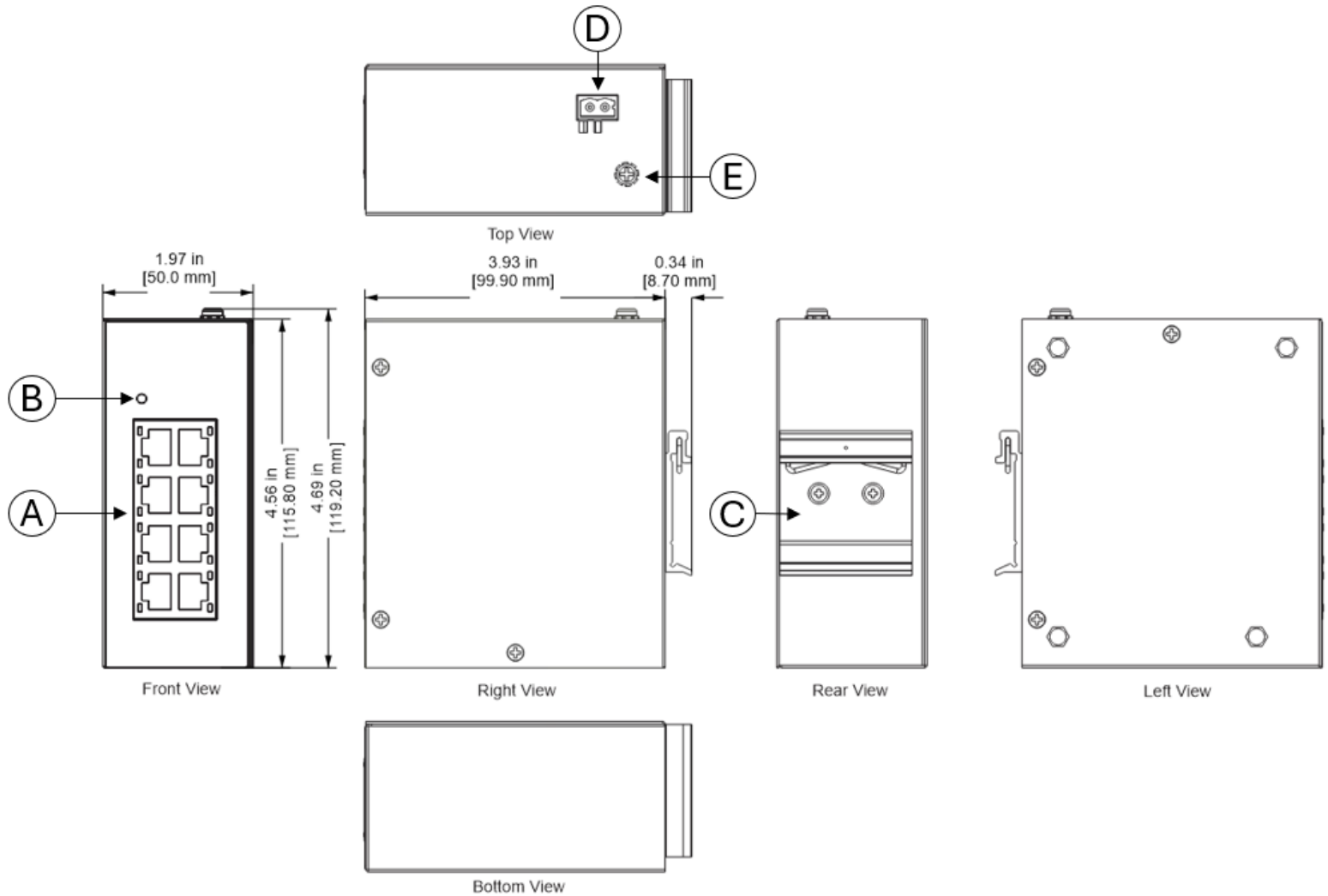
		Unmanaged			Premium Unmanaged	
		MS1-U05L	MS1-U08L	MS1-U16G	MS1-P05G	MS1-P08G
Mechanical and Environmental	Enclosure Material	Black Powder-Coated Aluminum	Black Powder-Coated Metal	Black Powder-Coated Metal	Black Powder-Coated Aluminum	Black Powder-Coated Metal
	Mounting	35 mm DIN Rail, Wall Mount	35 mm DIN Rail	35 mm DIN Rail	35 mm DIN Rail, Wall Mount	35 mm DIN Rail
	Grounding Screw	M4-0.7mm x 6mm, pan head, No. 2 cross recess				
	Operating Temperature	-40°F-167°F (-40°C-75°C)				
	Storage Temperature	-40°F-185°F (-40°C-85°C)				
	Operating Humidity	5 to 95% RH (non-condensing)				
	Storage Humidity	5 to 95% RH (non-condensing)				
	Net Weight	0.40 lb (180g)	0.96 lb (435g)	1.94 lb (880g)	0.41 lb (185g)	1.06 lb (480g)
	Dimensions (W x H x D)	0.93 x 4.39 x 2.90 in (23.6 x 111.5 x 73.8 mm)	1.97 x 4.69 x 3.93 in (50 x 119.2 x 99.9 mm)	1.97 x 6.43 x 4.72 in (50 x 163.4 x 120 mm)	0.93 x 4.39 x 2.90 in (23.6 x 111.5 x 73.8 mm)	1.97 x 4.69 x 3.93 in (50 x 119.2 x 99.9 mm)
	LED Panel	100, LNK/ACT	PWR, 100, LNK/ACT	PWR, 1000, LNK/ACT	1000, LNK/ACT	PWR, RPS, ALM,1000, LNK/ACT
	DIP Switches	N/A				PWR, RPS, P1-P8
	Alarm Relay	N/A				1 Relay Output, 1A @ 24VDC
Certifications / Ratings	Ingress Protection	IP30				
	Shock Test	IEC 60068-2-27				
	Freefall Test	IEC 60068-2-31				
	Vibration	IEC 60068-2-6				
	EMI / CE	FCC Part 15 Class B EN 55011 EN 55032 Class B EN 61000-6-4		FCC Part 15 Class A EN 55011 Class A EN 55032 Class A EN 61000-6-4	FCC Part 15 Class A EN 55011 / BS EN 55011 Class A EN 55032 / BS EN 55032 Class A EN 61000-6-4 / BS EN 61000-6-4	
	EMS / CE	EN 55024 EN 61000-6-2 IEC 61000-4-2 (ESD): Level 3 IEC 61000-4-3 (RS): Level 3 IEC 61000-4-4 (Burst): Level 3 IEC 61000-4-5 (Surge): Level 3 EN 61000-4-6 (CS): Level 3 IEC 61000-4-8 (PFMF)		EN 55024 EN 61000-6-2 IEC 61000-4-2 (ESD) IEC 61000-4-3 (RS) IEC 61000-4-4 (Burst) IEC 61000-4-5 (Surge) EN 61000-4-6 (CS) IEC 61000-4-8 (PFMF)	EN 55035 / BS EN 55035 EN 61000-6-2 / BS EN 61000-6-2 IEC 61000-4-2 (ESD) IEC 61000-4-3 (RS) IEC 61000-4-4 (Burst) IEC 61000-4-5 (Surge) EN 61000-4-6 (CS) IEC 61000-4-8 (PFMF)	
	UL®	cULus Listed				
	RoHS	Compliant				
	FCC	Class B Compliant			Class A Compliant	
	Notes	Specifications subject to change without notice.				

MS1-U05L, MS1-P05G



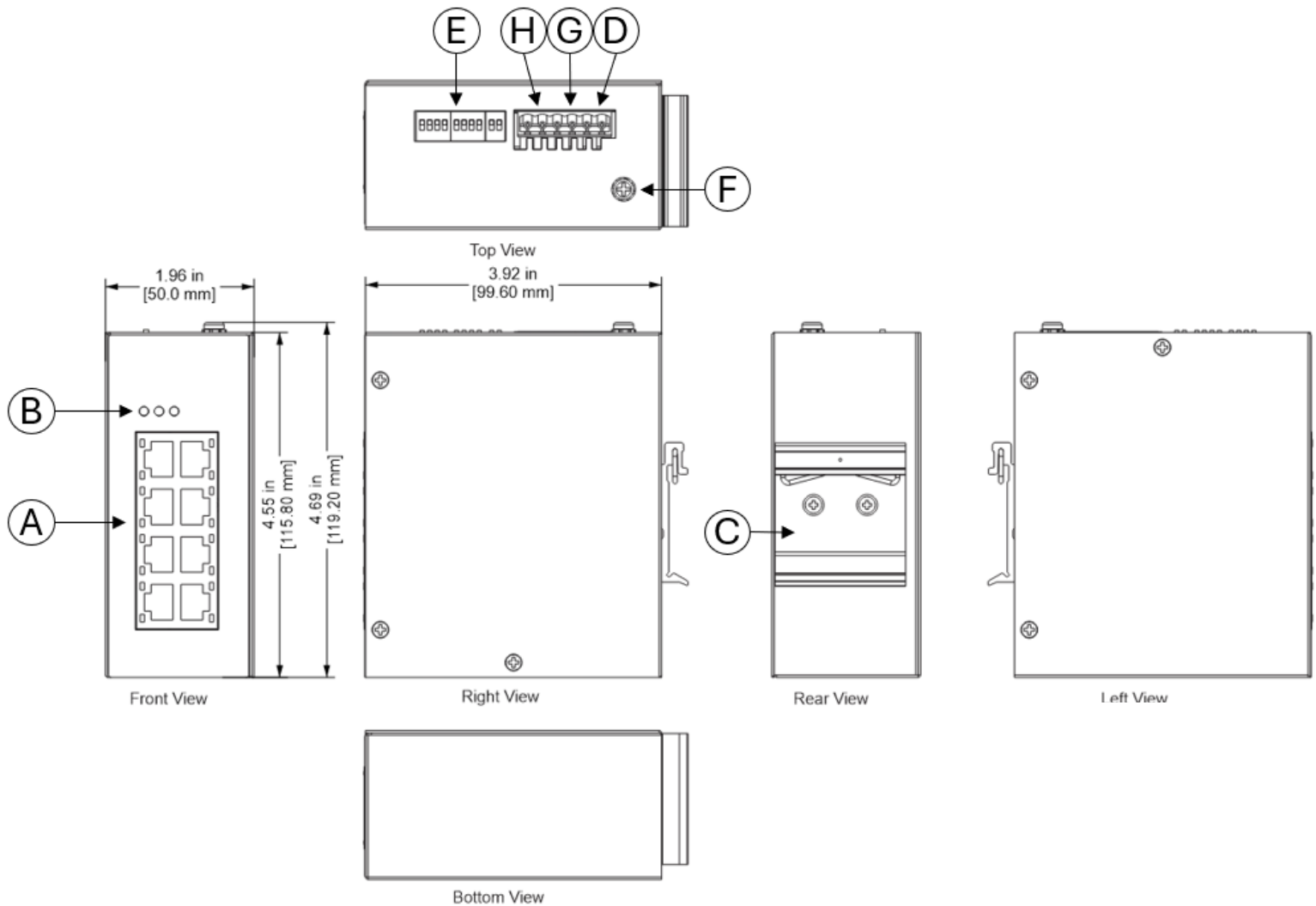
- A RJ45 Copper Port(s)
- B Din Rail
- C Wall Mount
- D Power Input (Terminal Block)
- E Grounding Screw (M4-0.7mm x 6mm)
- F Power Light Indicator

MS1-U08L



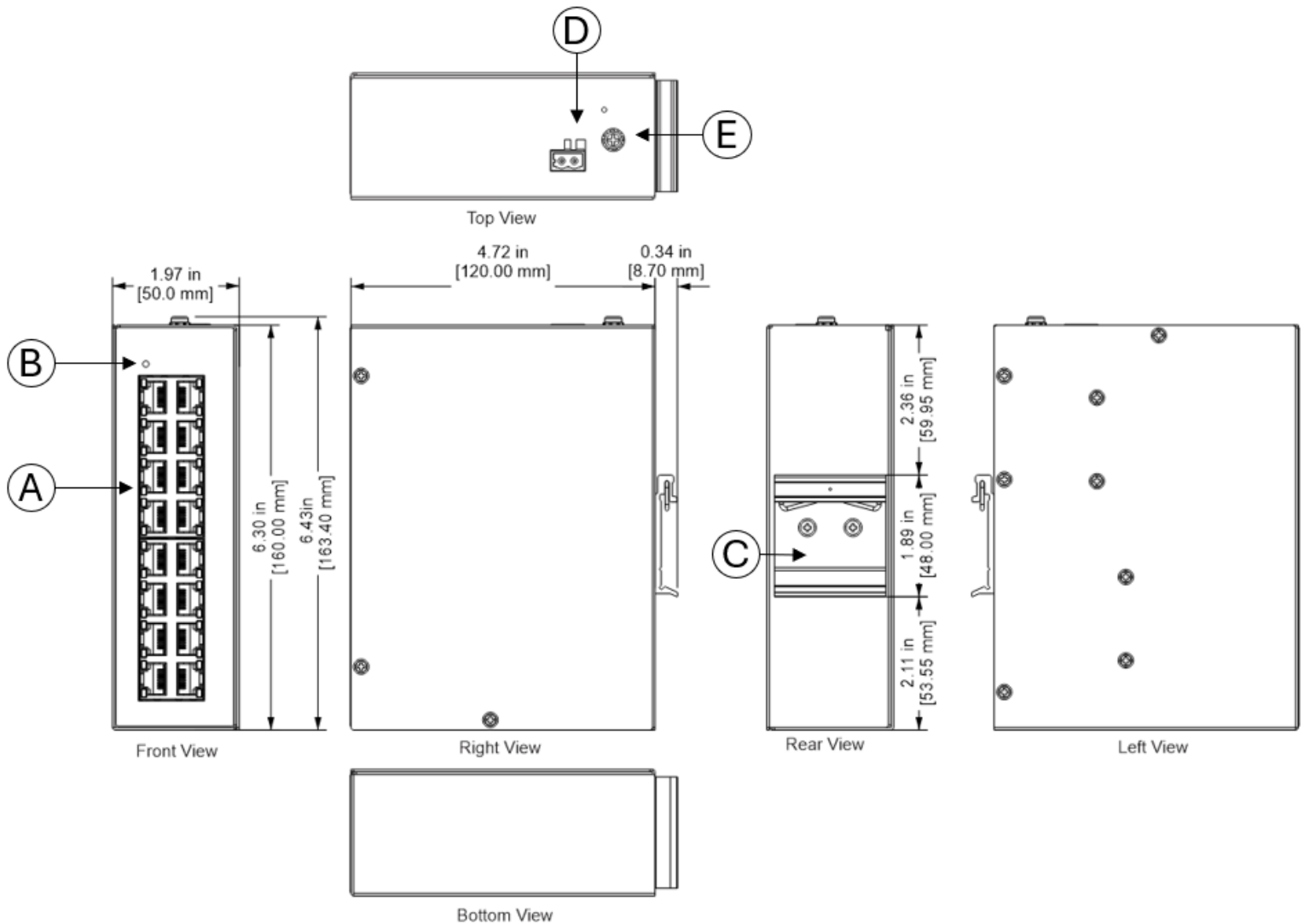
- A RJ45 Copper Port(s)
- B Power Light Indicator
- C Din Rail
- D Power Input (Terminal Block)
- E Grounding Screw (M4-0.7mm x 6mm)

MS1-P08G



- A RJ45 Copper Port(s)
- B Power / Redundant / Alarm Relay Light Indicators
- C Din Rail
- D Power Input (Terminal Block)
- E DIP Switches
- F Grounding Screw (M4-0.7mm x 6mm)
- G Redundant Power Input
- H Alarm Relay

MS1-U16G



- A RJ45 Copper Port(s)
- B Power Light Indicator
- C Din Rail
- D Power Input (Terminal Block)
- E Grounding Screw (M4-0.7mm x 6mm)