









General Data	PROmesh P9+	PROmesh P10+	PROmesh P20	PROmesh P10X	PROmesh P12 PoE	PROmesh P28-R	PROmesh P28-RL	PROmesh P56-RL
Device front view								
Cable diagnostics	✓	✓	✗	✓	✗	✗	✗	✗
EMC Monitoring	✓	✓	✓	✓	✗	✗	✗	✗
TCP/IP Retransmission		✓						
Ambient Monitoring		✓						
Performance Monitoring	✓	✓	✓	✓	✗	✗	✗	✗
No. of Ports	9	10	20	10	12	28	28	56
Port Speed	9 x 1 Gbit/s	8 x 1 Gbit/s 2 x 2,5 Gbit/s	16 x 100 Mbit/s 4 x 1 Gbit/s	8 x 100 Mbit/s 2 x 1 Gbit/s	10 x 1 Gbit/s 2 x 2,5 Gbit/s	28 x 1 Gbit/s	24 x 1 Gbit/s 4 x 10 Gbit/s	8 x 10 Gbit/s 48 x 1 Gbit/s
Port Type	9 x RJ45	8 x RJ45 2 x SFP	16 x RJ45 4 x SFP	8 x M12 d-coded 2 x M12 x-coded	8 x RJ45 4 x SFP	16 x RJ45 8 x Combo (SFP or RJ45) 4 x SFP	16 x RJ45 8 x Combo (SFP or RJ45) 4 x SFP+	8x SFP+ 48 x selectable (SFP/ Copper)
PROFINET Standard	V 2.4	V 2.4	V 2.3	V 2.4	✗	✗	✗	✗
PROFINET Conformance Class	B	B	B	B	A	A	A	A
Netload Class	III	III	III	III	✗	✗	✗	✗
Routing	✗	NAT + Firewall	NAT	✗	✗	✗	NAT, VRRP, RIP, OSPF, BGP	VRRP, RIP, OSPF, BGP, PIM, DVMRP
PoE	✗	✗	✗	✗	30 W (max. 120 W)	✗	✗	✗
VLAN	✓	✓	✓	✓	✓	✓	✓	✓
Redundancy	MRP, RSTP, MSTP	MRP, RSTP, MSTP	MRP, RSTP, MSTP	MRP, RSTP	RSTP	RSTP, MSTP	RSTP, MSTP	RSTP, MSTP
QoS	✓	✓	✓	✓	✓	✓	✓	✓
SNMP	v1, v2c, v3	v1, v2c, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
LLDP	✓	✓	✓	✓	✓	✓	✓	✓
Protection Rating	IP30	IP30	IP30	IP67	IP40	IP30	IP30	IP30
Operating Temperature	-40°C to 75°C	-40°C to 75°C	-40°C to 75°C	-40°C to 75°C	-40°C to 75°C	-40°C to 75°C	-40°C to 75°C	-40°C to 60°C
Storage Temperature	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 60°C
Power Supply	24 VDC	24 VDC	24 VDC	24 VDC	24 VDC	100 - 240 VAC/DC	100 - 240 VAC/DC	100 - 240 VAC/DC
Dimensions (H x W x D) in mm	110 x 60 x 131	110 x 60 x 131	138 x 130 x 68	284 x 60 x 28	138 x 53 x 110	44 x 440 x 305	44 x 440 x 305	88 x 483 x 374
Weight	600 g	600 g	960 g	800 g	692 g	3940 g	3940 g	9500 g
Mounting	Top-hat rail	Top-hat rail	Top-hat rail	Wall assembly	Top-hat rail	19" Rack	19" Rack	19" Rack
Backplane [Gbps]	18	26	12,8	20	30	56	128	256
Throughput [Mpps]	13,4	19,3	8,5	14,9	35,7	65,5	95,2	176
Shared Buffer [Mbit]	2	2	4	2	2	12	12	12
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