



Huawei AR280

Enterprise-Grade 2.5GE Multi-Service Router · Specification summary



Huawei description	Enterprise-Grade 2.5GE Multi-Service Router Number of IPsec Tunnels: 16 Number of Managed APs: 16 Number of Managed Devices: 32 Number of connected terminals: 150 Egress Bandwidth: 2Gbps VPN Forwarding Performance: 200Mbps 4 GE PoE+ Electrical Ports + 1 2.5GE PoE+ Electrical Port PoE 41W
Part number	50010846 / 50010846-001
Huawei category	Router / AR200 Series
Installation type	Work bench,Against the wall
Dimensions without packaging (H x W x D) [mm(in.)]	Basic dimensions: 35 mm x 195 mm x 130 mm (1.38 in. x 7.68 in. x 5.12 in.); Maximum dimensions: 35 mm x 195 mm x 136 mm (1.38 in. x 7.68 in. x 5.35 in.)
Chassis height [U]	0.8
Weight with packaging [kg(lb)]	1.29 kg (2.84 lb)
Weight without packaging [kg(lb)]	0.93 kg (2.05 lb)
Dimensions with packaging (H x W x D) [mm(in.)]	90 mm x 230 mm x 185 mm (3.54 in. x 9.06 in. x 7.28 in.)
Maximum power consumption [W]	49 (PoE:41W)
Typical power consumption [W]	5.8
Power supply mode	AC power adapter
Number of power modules	1
Rated input voltage [V]	100 V AC-240 V AC; 50/60 Hz
Input voltage range [V]	90 V AC-264 V AC; 45 Hz-65 Hz
Maximum output power [W]	50 W
Maximum input current [A]	0.9 A
Safety regulation certification	IEC/EN/UL 62368-1; GB 4943.1; CSA C22.2 No. 62368-1; AS/NZS 62368-1
EMC certification	EN 55032; EN 55035; EN 300386; EN 61000-3-2; EN 61000-3-3; EN 301 489-1; EN 301 489-17; ICES-003; AS/NZS CIPSR32; VCCI-CIPSR32; GB/T 9254.1; FCC CFR47 part 15
PoE	Supported

Maximum PoE output power [W]	41
PoE power ports	5
PoE+ power ports	5
Noise at normal temperature (acoustic power) [dB(A)]	Fanless, silent
Long-term operating temperature [°C(°F)]	0°C to 40°C (32°F to 104°F); Note: When the altitude is 1800 m-5000 m (5906 ft.-16404.2 ft.), the highest operating temperature reduces by 1°C (1.8°F) every time the altitude increases by 220 m (722 ft.).
Storage temperature [°C(°F)]	-40°C to +70°C (-40°F to +158°F)
Long-term operating relative humidity [RH]	5% RH to 95% RH, non-condensing
Long-term operating altitude [m(ft.)]	< 5000 m (16404.2 ft.)
LAN ports	4 x GE electrical interfaces
WAN ports	1 x 2.5GE electrical port
Airflow	Natural heat dissipation
GE RJ45	4 (PoE+) (1G/100M/10M)
Overtemperature alarm	Supported
2.5GE RJ45	1 (PoE+) (2.5G/1G/100M/10M)
Certification	EMC certification; Safety certification; Manufacturing certification
Environmental standards compliance	EN 300 019-2; IEC 60068-2

Specifications are summarised from the manufacturer's published information (checked 2026-10-27). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.

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