



Balance 580X

A Proven Solution for Reliable Internet



TAA COMPLIANT



Configurable Multi-Gig Ports

Configure the 2.5G PoE++ ports as WAN or LAN to match your network topology. Adapt to changing deployment needs while maximizing flexibility and infrastructure efficiency.

1 Gb

Up to 500 SpeedFusion Peers

Gigabit SPEEDFUSION Throughput

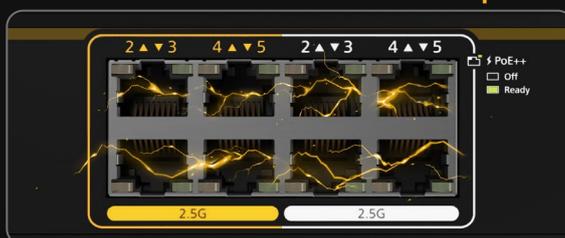
Deliver gigabit bonding to meet enterprise-grade network demands. Maintain consistent performance across multiple remote sites, ensuring bandwidth and reliability at scale.



One PoE++ Platform, Clean Deployments

Easily integrate 5G with Peplink Dome or Antenna MAX solutions while powering heavy-duty devices such as pan-tilt-zoom cameras and Wi-Fi 7 access points. Streamline deployment by eliminating extra injectors and cabling.

PoE++ Output x8





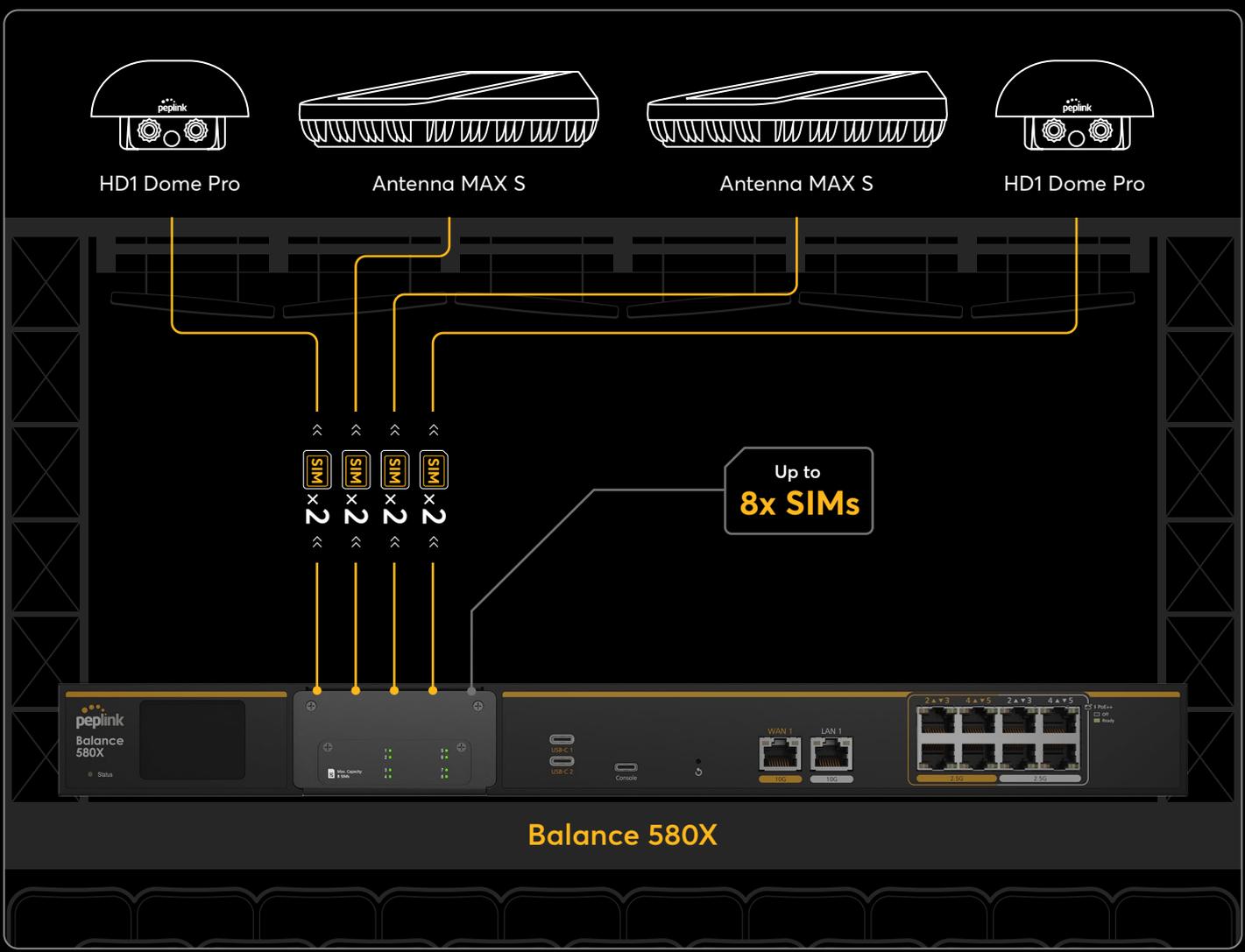
Flexible, Centralized SIM Management

Seamlessly manage SIMs for connected Dome or Antenna MAX with a **SIM Injector FlexModule***. Maintain optimal 5G performance with increased carrier redundancy and easier SIM provisioning.



FlexModule Mini **SIM Injector**

* Compatible with FlexModule Mini (LTE/5G/SIM Injector). FlexModule units are sold separately.



HD1 Dome Pro

Antenna MAX S

Antenna MAX S

HD1 Dome Pro

Up to
8x SIMs

Balance 580X



InControl²

Centralized Network Management

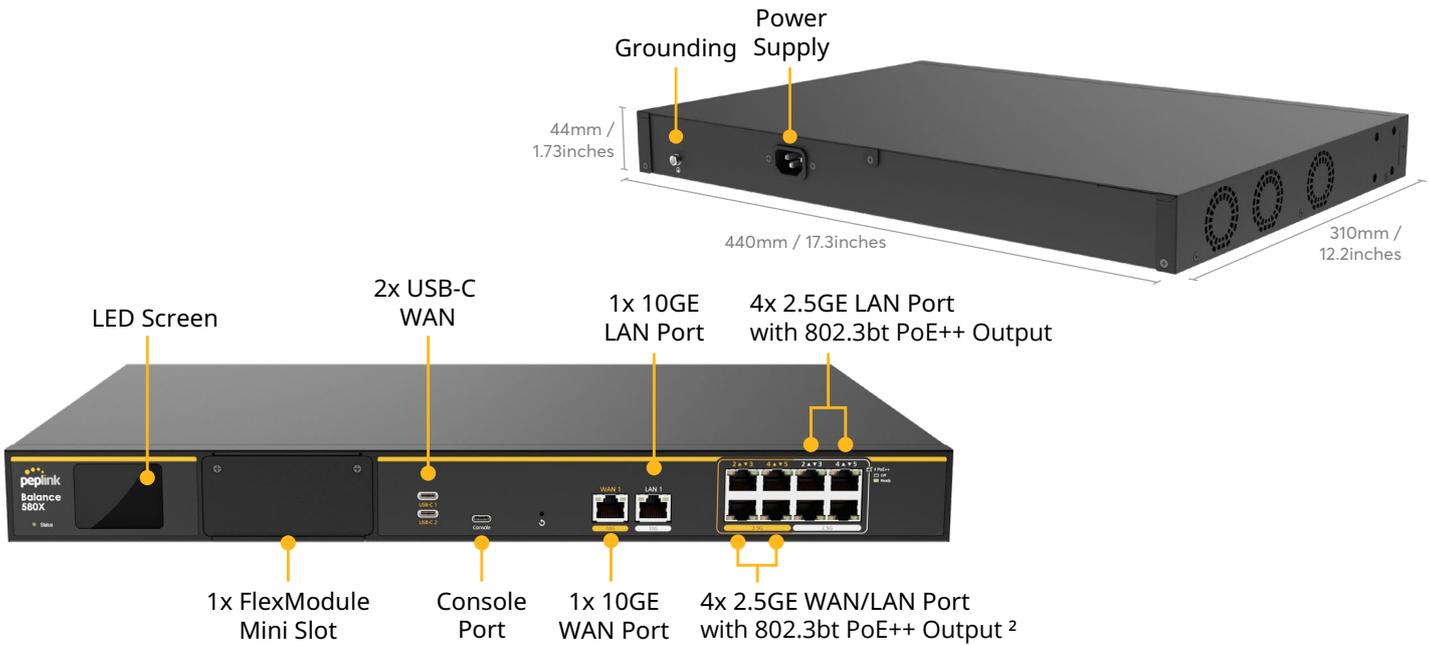


Manage access points and switches alongside all other Peplink devices via **InControl²**, all from a single pane of glass.



Maintain local control from the router interface when needed for on-site management.

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Specifications

WAN Interface	4x 2.5G Multi-Gig Ethernet ^{1 2} 1x 10G Multi-Gig Ethernet ¹ 2x USB-C Interface ³ 1x Optional Cellular ⁴	Remote User Access	Yes
LAN Interface	4x 2.5G Multi-Gig Ethernet ^{1 2} 1x 10G Multi-Gig Ethernet ¹	LACP (802.3ad) NIC Bonding	Yes ⁶
Router Throughput	8Gbps	1U Rack-mount	Yes
SpeedFusion VPN Throughput		Power Input	AC Input 100V - 240V
- No Encryption	1Gbps	Power Output	8x 802.3bt Type 4 PoE++
- 256-bit AES	1Gbps	Power Consumption	37W (nominal) / 39W (max. without PoE and USB-C Output)
Recommended Users	500-2000	Total PoE Power Budget	720W
SpeedFusion VPN Peers	100 / 300 ⁵ / 500 ⁵	Dimensions	17.3 x 12.2 x 1.73 inches / 440 x 310 x 44 mm
Maximum Number of Controlled AP / Switch	100	Weight	9.39 pounds / 4.26 kg
SpeedFusion Features	Hot Failover, Smoothing, Bandwidth Bonding	Operating Temperature	32°– 104°F / 0°– 40°C
Central Management	InControl 2	Humidity	10% to 95% (non-condensing)
Drop-In Mode	Yes	Certifications	FCC, CE, RoHS
High Availability	Yes	Package Content	1x Balance 580X 1x Power Cord (ACW-614) Rubber Foot Pad set 1x Ear Rack Mount Kit with screws
Content Filtering	Full	SIM Options	Mini-SIM (2FF) ⁴ Peplink eSIM ⁴ BYO eSIM (2 profiles) ⁴ RemoteSIM from SIM Injector ⁴ FusionSIM ⁴
AP & Switch Controller	Standard	Warranty	1-Year Limited Warranty
Edge Computing	Docker (8GB Internal Storage / External Storage via USB Port)		

¹ 10G is backward compatible with FE / GE / 2.5G / 5G; 2.5G is backward compatible with GE and FE.

² Ethernet WAN ports 2-5 are configurable WAN/LAN ports. WAN/LAN Configuration is changeable on the Web Admin.

³ USB-C port can deliver 5V at 3A to power the Peplink Adapters or other USB dongles for USB WAN.

⁴ Compatible 5G or LTE FlexModule Mini is required.

⁵ Supports 100 peers by default. Expansion to 300 or 500 peers is available via optional software licenses (SFN-LC-300 and SFN-LC-500).

⁶ LACP support will be available upon the release of firmware version 8.6.0.

Ordering Information

Product Code	Description
BPL-580X-PRM	Balance 580X

Featured Add-on

Product Code	Description
PRM-J-1Y / PCP-J-1Y	PrimeCare J / PrimeCare+ J (1-Year)
PRM-J-2Y / PCP-J-2Y	PrimeCare J / PrimeCare+ J (2-Year)
PRM-J-4Y / PCP-J-4Y	PrimeCare J / PrimeCare+ J (4-Year)
EXM-MINI-15GN	FlexModule Mini 5G
EXM-MINI-1LTEA-Q	FlexModule Mini LTEA (CAT-12)
EXM-MINI-1LTEA-B	FlexModule Mini LTEA (CAT-6)
EXM-MINI-SIM-8	FlexModule Mini SIM Injector
SFN-LC-300	Up to 300 SpeedFusion Peers License Key
SFN-LC-500	Up to 500 SpeedFusion Peers License Key