



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.

1Gb

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





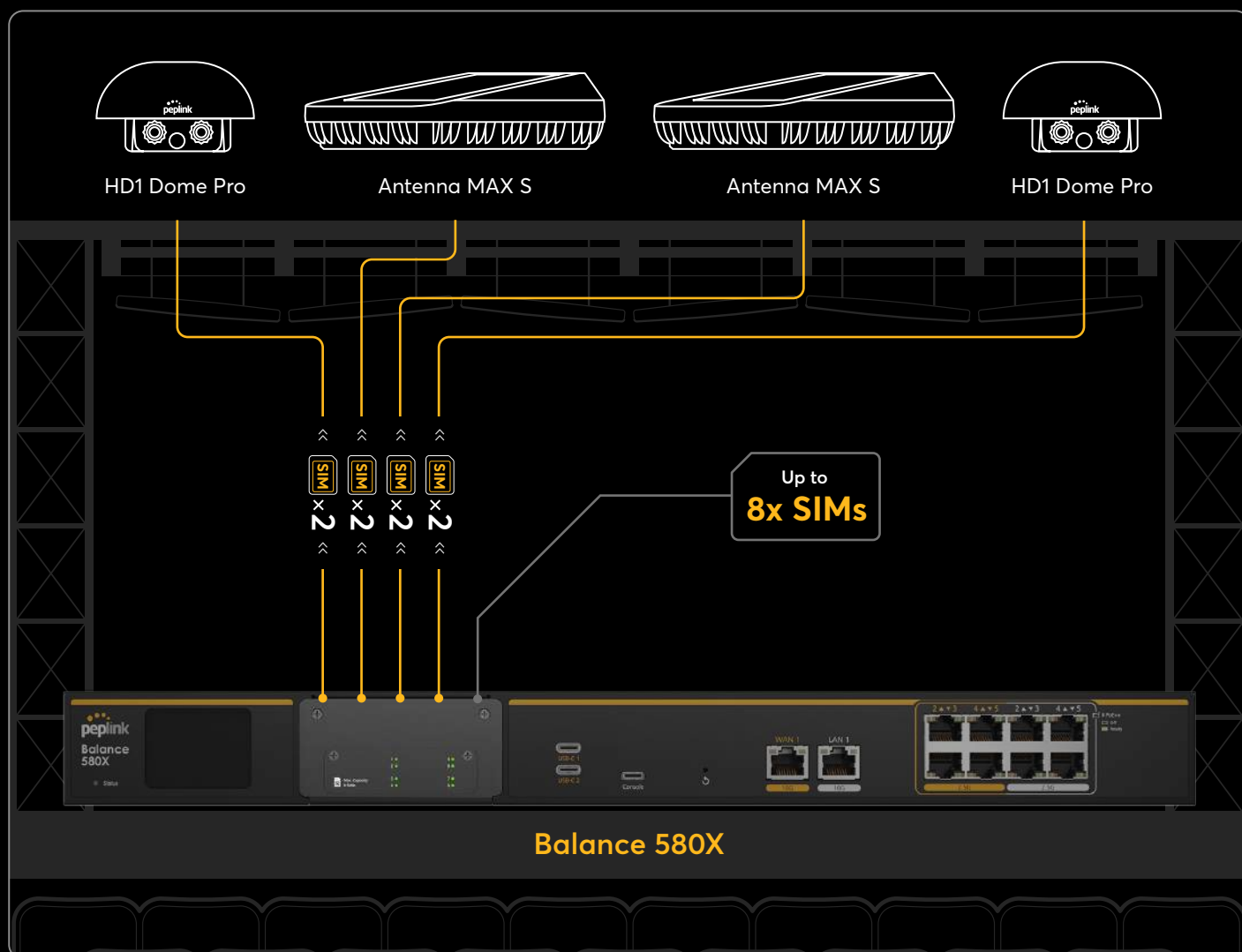
Flexible, Centralized SIM Management

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.





InControl²

Centralized Network Management

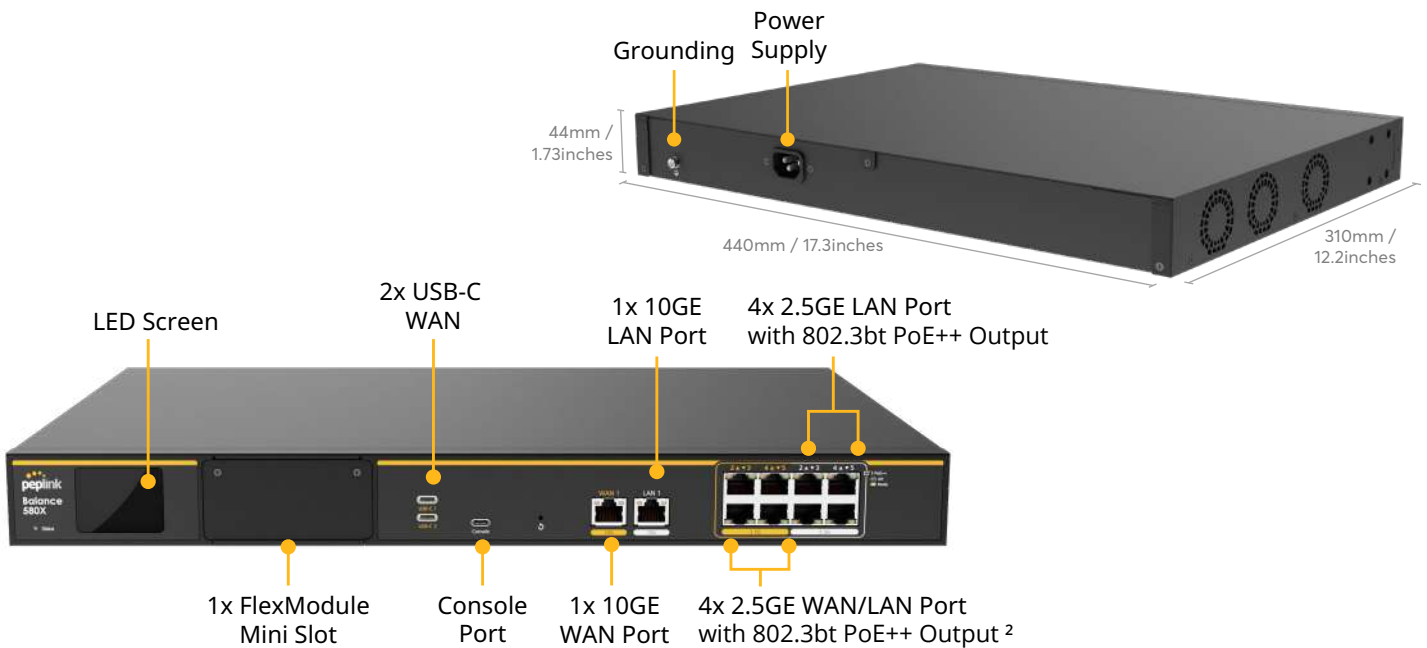


Manage access points and switches alongside all other Peplink devices via **InControl²**, all from a single pane of glass.



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

Balance 580X



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

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).

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