# Balance 580X

## A Proven Solution for Reliable Internet

**1 Gb SPEEDFUSION**

**PoE++**

**10G** Multi-Gig Port

**WAN ⇄ LAN**

**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 ⊗ SPEED**FUSION** 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.
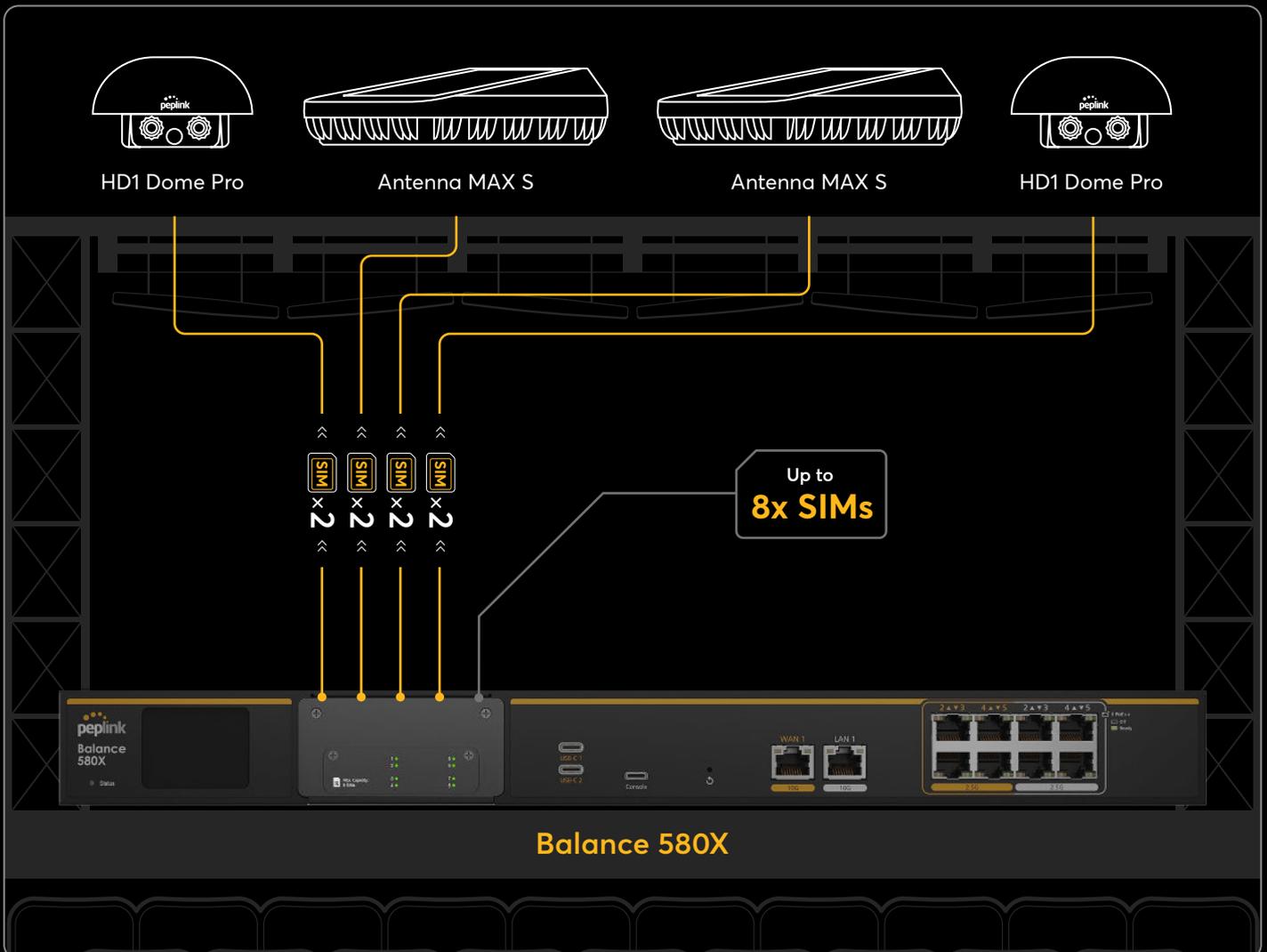
**PoE ++ Output x8**

## 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

SIM × 2   SIM × 2   SIM × 2   SIM × 2

Up to
**8x SIMs**

**Balance 580X**

![Peplink InControl² product showcase with laptop, access point, switch, and Balance 580X router](image)

# Centralized Network Management

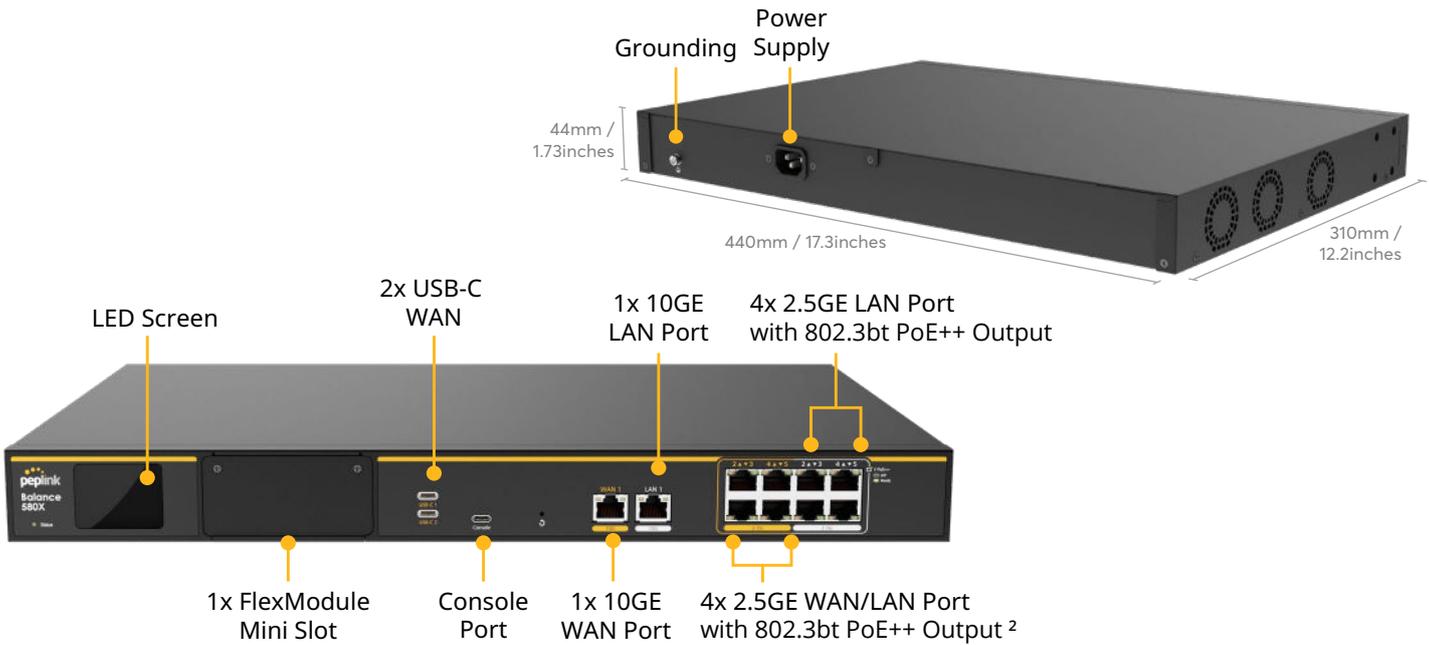Manage access points and switches alongside all other Peplink devices via **InControl²**, all from a single pane of glass.

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

# Balance 580X

peplink

Grounding

Power
Supply

44mm /
1.73inches

440mm / 17.3inches

310mm /
12.2inches

LED Screen

2x USB-C
WAN

1x 10GE
LAN Port

4x 2.5GE LAN Port
with 802.3bt PoE++ Output

1x FlexModule
Mini Slot

Console
Port

1x 10GE
WAN Port

4x 2.5GE WAN/LAN Port
with 802.3bt PoE++ Output [2]

## Specifications

| | | | |
|---|---|---|---|
| **WAN Interface** | 4x 2.5G Multi-Gig Ethernet [1][2]<br>1x 10G Multi-Gig Ethernet [1]<br>2x USB-C Interface [3]<br>1x Optional Cellular [4] | **Remote User Access** | Yes |
| | | **LACP (802.3ad) NIC Bonding** | Yes [6] |
| | | **1U Rack-mount** | Yes |
| **LAN Interface** | 4x 2.5G Multi-Gig Ethernet [1][2]<br>1x 10G Multi-Gig Ethernet [1] | **Power Input** | AC Input 100V - 240V |
| **Router Throughput** | 8Gbps | **Power Output** | 8x 802.3bt Type 4 PoE++ |
| **SpeedFusion VPN Throughput**<br> - No Encryption<br> - 256-bit AES | <br><br>1Gbps<br>1Gbps | **Power Consumption** | 37W (nominal) /<br>39W (max. without PoE and USB-C Output) |
| | | **Total PoE Power Budget** | 720W |
| **Recommended Users** | 500-2000 | **Dimensions** | 17.3 x 12.2 x 1.73 inches /<br>440 x 310 x 44 mm |
| **SpeedFusion VPN Peers** | 100 / 300 [5] / 500 [5] | **Weight** | 9.39 pounds / 4.26 kg |
| **Maximum Number of Controlled AP / Switch** | 100 | **Operating Temperature** | 32°– 104° F / 0°– 40° C |
| **SpeedFusion Features** | Hot Failover, Smoothing,<br>Bandwidth Bonding | **Humidity** | 10% to 95% (non-condensing) |
| | | **Certifications** | FCC, CE, RoHS |
| **Central Management** | InControl 2 | **Package Content** | 1x Balance 580X<br>1x Power Cord (ACW-614)<br>4x Rubber Foots<br>1x Ear Rack Mount Kit with screws |
| **Drop-In Mode** | Yes | | |
| **High Availability** | Yes | | |
| **Content Filtering** | Full | **SIM Options** | Mini-SIM (2FF) [4]<br>Peplink eSIM [4]<br>BYO eSIM (2 profiles) [4]<br>RemoteSIM from SIM Injector [4]<br>FusionSIM [4] |
| **AP & Switch Controller** | Standard | | |
| **Edge Computing** | Docker (8GB Internal Storage /<br>External Storage via USB Port) | | |
| | | **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).
[6] LACP support will be available upon the release of firmware version 8.6.0.

Specifications are subject to change without notice.

# Balance 580X

## 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 |