



Unbreakable VoIP

Ultra-Reliable Last Mile Connectivity for VoIP Services

Unreliable Last Mile Connectivity

- Your service quality ultimately depends on unpredictable customer WAN connections.
 - Latency will result in delays, making conversation difficult.
 - Customer perception that VoIP is unreliable results in pushback.
- MPLS is an expensive way to achieve consistent connectivity.



Achieve Reliability by Combining Links

- **Combine multiple commodity links** into one super-reliable VPN connection.
- Customers can add a cellular connection using a USB dongle, further increasing reliability.
- Seamless Failover: If one link fails, other links take over while keeping calls connected.
- **Average of 85% cost savings** compared to MPLS.



99.999%
Reliability

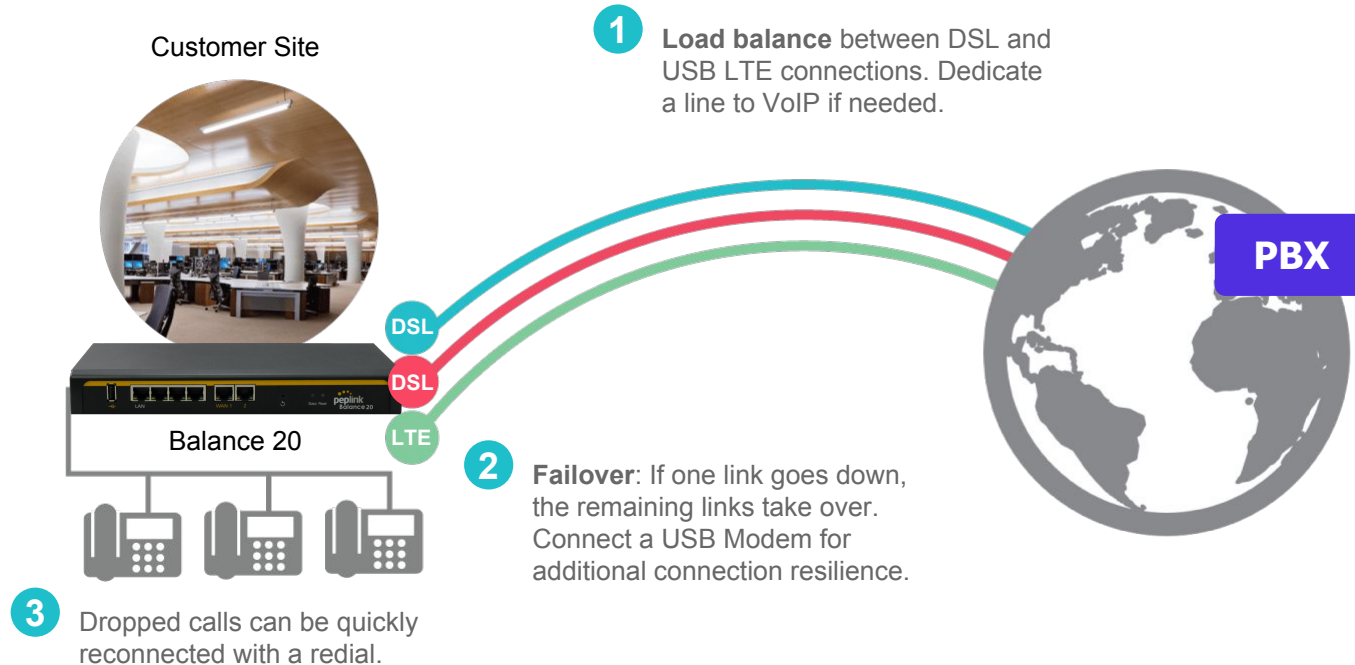
Minimize Call Latency in Busy Connections



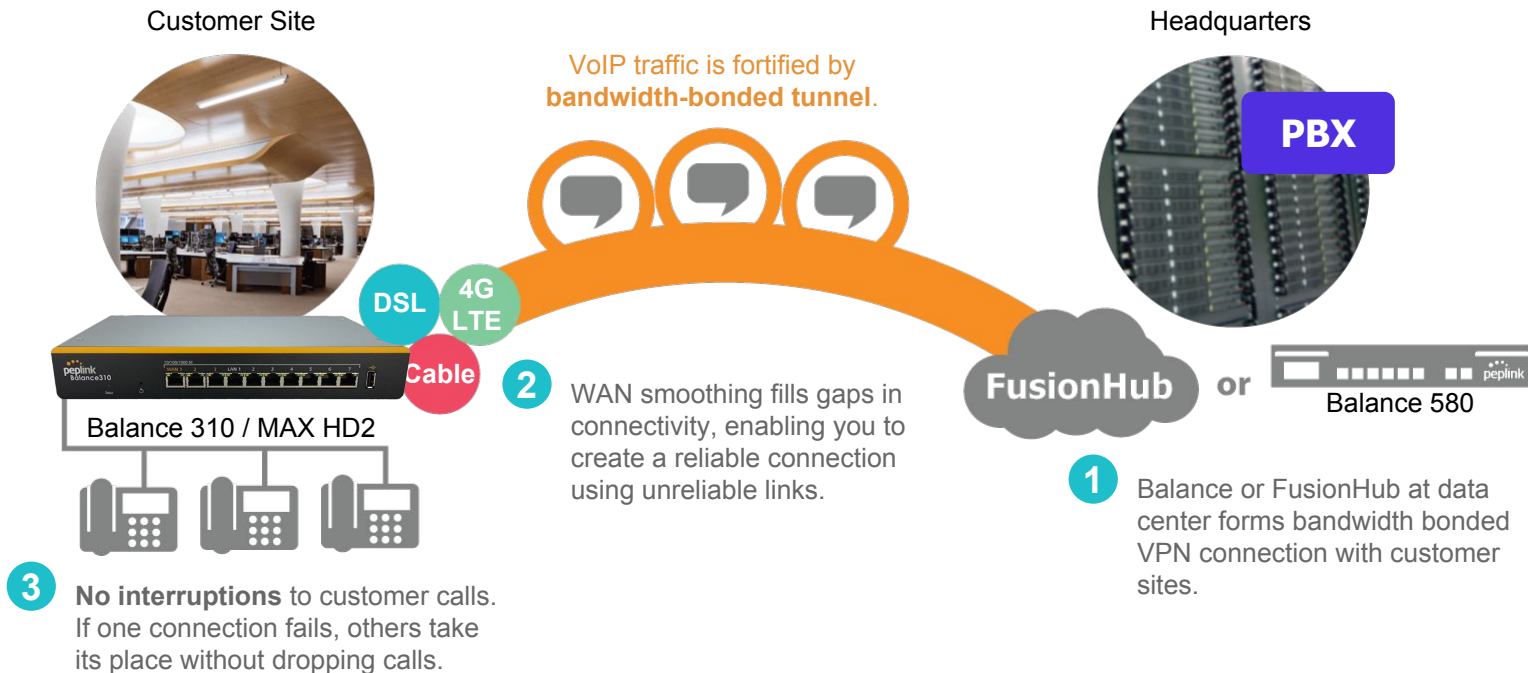
- Offer responsive VoIP even when VoIP and data are sharing the same line.
- QoS enables you to assign different priority levels to different types of traffic. Minimize latency by giving high priority to VoIP traffic.

Application	Priority			?
	Manager	Staff	Guest	
SIP	↑ High	↑ High	↑ High	✗
Skype	↑ High	↑ High	↑ High	✗
HTTP	— Normal	— Normal	— Normal	✗
WoW	↓ Low	↓ Low	↓ Low	✗
Add				

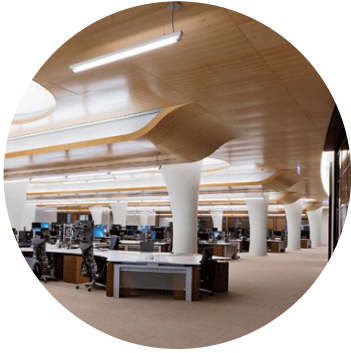
Reliable Connectivity on a Budget



Achieving Unbreakable VoIP



Peplink Products for VoIP Markets



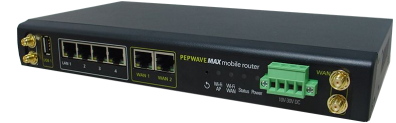
For Customer Sites:



Load Balancing:
Balance 20



Bandwidth Bonding:
Balance 310



Cellular Connectivity:
MAX HD2



For Headquarters:

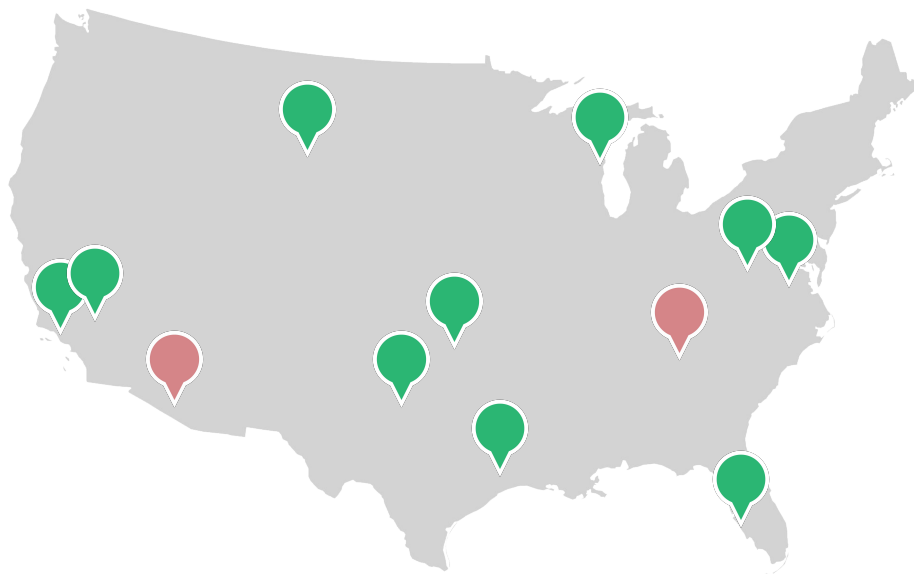


Cloud-Based: FusionHub 500



Physical Server: Balance 580

One-Screen Overview of Customer Networks



View the status of customer networks at a glance and remotely configure devices using InControl 2.

InControl²

Group Level Testing Organization Head Office Dashboard

Dashboard Reports PepVPN / SpeedFusion Wi-Fi AP Clients Settings

Device Summary

Online	Offline
12	3
device(s)	device(s)

Device List

Search devices... 15 device(s)

Status	Name	Tags	Wi-Fi Config	Product Name	Online
Online	AP One (Production)	Production	Group level settings	Pepwave AP One	now
Online	AP One 300M (Conference)	Office	Group level settings	Pepwave AP One 300M	now
Online	AP One 300Mv2 (Conference)	Office	Group level settings	Pepwave AP One 300M	now
Online	AP One AC mini (Demo Room)	Office	Group level settings	Pepwave AP One AC mini	now
Online	AP One AC Mini (Marketing)	Office	Group level settings	Pepwave AP One AC mini	now
Online	AP One AC Mini (near Admin)	Office	Group level settings	Pepwave AP One AC mini	now
Online	AP One AC mini (near Wireless)	Office	Group level settings	Pepwave AP One AC mini	now
Online	AP One Flex (Production)	Production	Group level settings	Pepwave AP One Flex	now
Online	AP One InWall (Production)	Production	Group level settings	Pepwave AP One In-Wall	now
Online	Conference InWall	Office	Group level settings	Pepwave AP One In-Wall	now
Online	HD4 Marketing		Device managed	Pepwave MAX HD4	now
Online	L2 SF for VoIP		-	Peplink Balance 580 (HW1)	now
Offline	A9 Show Room	A9	Group level settings	Pepwave AP One AC mini	3 months
Offline	AP One 300M (... IDLE ...)	Office	Group level settings	Pepwave AP One 300M	3 months
Offline	PSung	Office	Group level settings	Pepwave AP One 300M	5 months

Download as CSV
Manage...

SpeedFusion Alliance



- A coalition of solution providers delivering connection resilience by applying and promoting SpeedFusion technology.
- Obtain specialized products for VoIP providers:
 - **FusionHub MSP edition:** Unlimited bandwidth, one-time price for each customer site.
 - **Exclusive Customer Site Equipment:** Highly affordable bandwidth bonding devices exclusively for Alliance use.



Case Study - Pluss Social Enterprise. UK.



Unbreakable VoIP

- 37 sites: Balance 1350, Balance 310
- Needed reliability network to support corporate services - Citrix, VoIP
- Peplink SpeedFusion VPN replaced costly leased lines
- **Winning Factors**
 - reduced operating expenditure, lower support requirements
 - agility in adding and removing different types and classes of bandwidth

"Our Peplink WAN has become a strategic enabler of all of our customer facing services." -Steve Taylor, IT Manager