SD-WAN Networking Solutions for your Business

Enterprise Networks may Look Similar, but Business Challenges are Different
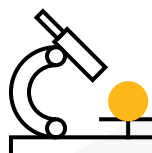
Hospitality
Affordably provide quality Internet access for guests in remote resorts.

Healthcare
Provide on-site diagnosis by securely streaming patient data to the hospital.

Education
Enable reliable remote learning in days. Media rich learning with minimal bandwidth.

Retail
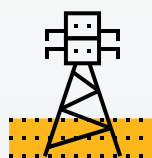Unbreakable POS connectivity. Connect kiosks anywhere with LTE.

Finance
Securely and reliably connect branch offices and ATM to headquarters in an integrated solution.
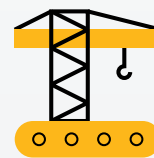
Branch Edge
Achieve 99.999% availability and several times the speed of private lines at a fraction of the cost.

Utilities
Remotely access serial devices. Remotely monitor and manage large deployments using InControl.

Construction
Combine multiple cellular links to connect in days instead of months. Wide selection of outdoor-ready enclosures.

Wireless SD-WAN Hotel & Hospitality Solutions

Meet Growing Bandwidth Demand with Ease

Sharing on social media, streaming movies or accessing work files through the cloud are some of the things taken for granted by hotel guests, and providing reliable Internet at the hotel can help keep guests coming back. Whether your premise is at the heart of a busy city or away from civilisation, Peplink SD-WAN has the right tools to help hotels and resorts deliver great network speed while keeping costs low.

What are your Challenges in Hospitality Connectivity?
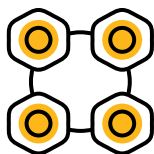

Rising Bandwidth Costs

With the rising popularity of bandwidth hungry apps such as streaming services, hotel operators often struggle to keep up with the bandwidth demand of their guests.

Limited Landline Access

For secluded vacation spots without access to landlines, providing reliable and fast internet to guests often prove to be a challenge.

The Big Picture

| MPLS | FTTH | ADSL | VPN |
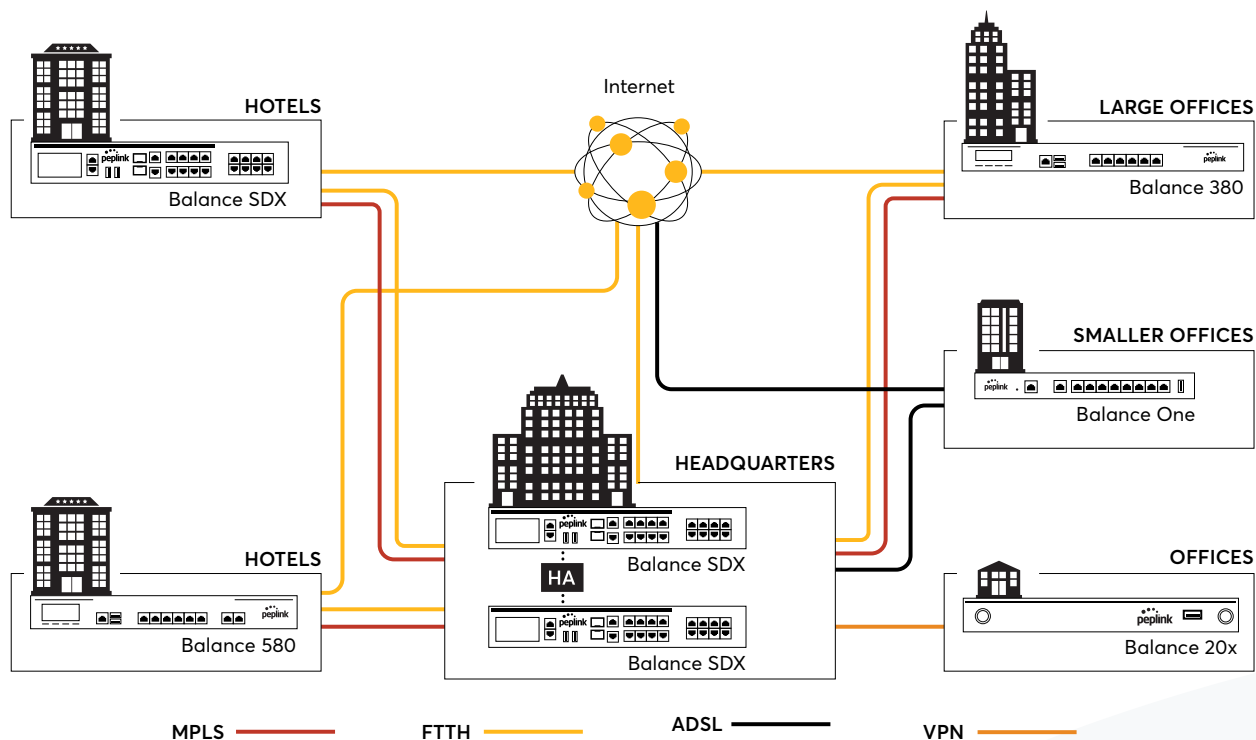
Featured Products

Balance SDX

- Deploy in head office in High Availability mode to maximise uptime
- Can also deploy in hotels with capability to support 800 guest devices at once (i.e. about 250 guest rooms)
- Aggregate and load balance across 7x WAN connections, including VPN, to prioritise critical traffic or improve network efficiency

Balance 380

- Supports 3x Ethernet WAN for SpeedFusion bonding, VPN and load balancing
- Create SpeedFusion tunnel with head office for unbreakable connectivity and bonded bandwidth
- Ideal for medium sized accommodations or large offices between 25-200 users
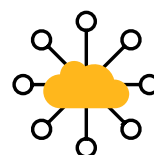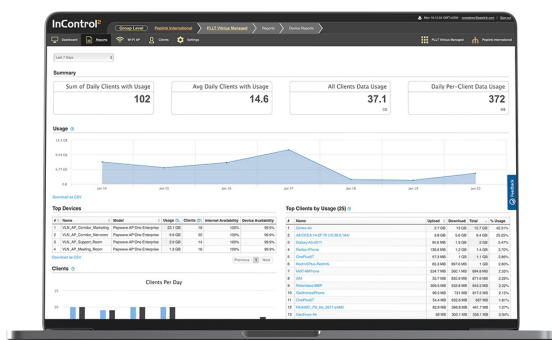
Balance One

- Supports 2x Ethernet WAN with USB add-on support
- Access corporate resources via VPN with head office
- Ideal for smaller sized accommodations between 5 to 25 users
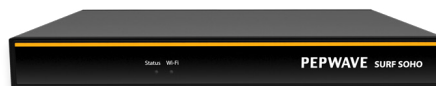
Balance 20x

- Quick and easy to set up
- Great as branch router for individual lodging
- Access corporate resources via VPN with head office

InControl 2

Cloud-Based Network Management Platform

InControl2 cloud-based endpoint management system enabling remote access to any Peplink device on your network. From a single screen, configurations can be pushed to any and all of your Peplink devices. InControl2 also generates useful reports on all aspects of your network, and can be integrated to your existing systems through API.

Wireless SD-WAN Solutions for Healthcare Industry

Extend Medical Service Beyond Hospital

From first responders to mobile clinics to keeping patient records, the healthcare industry is going through a rapid digital transformation. Peplink products support a wide range of scenarios encountered by healthcare operators, from FirstNet-ready mobile routers with unbreakable connectivity, SD-WAN routers with robust bandwidth and instant failover capabilities, and InControl2 which keeps the all Peplink devices managed under one account.

What are your Challenges in Healthcare Connectivity?
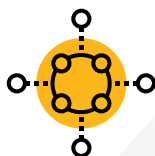
Replacing legacy communication standards, such as WiMAX, with minimal retraining and disruption

VPN connection between data center and branch just be mission critical at all times

The Big Picture

MAX Transit
Mobile Clinic

4G/3G

Internet

Internet

4G/3G

MAX HD4 MBX
Hospital

Firewall

10Mbps   100Mbps

ADSL/Fiber

MAX HD4 MBX
Hospital

Router

Balance 580

WiMAX

Datacenter

ADSL/Fiber

MAX HD4 MBX
Hospital

WiMAX

Government
Cloud

WiMAX

Firewall

Internet

Balance SDX

Balance SDX

HQ

4G

Hospital

MAX Transit Duo

Mobile Clinic
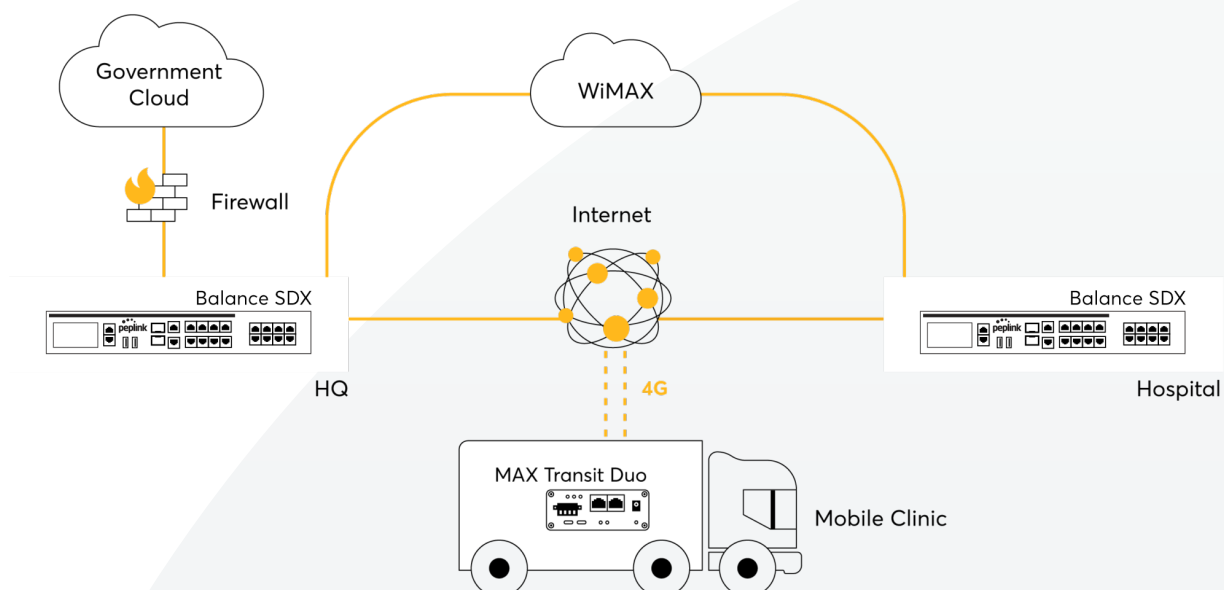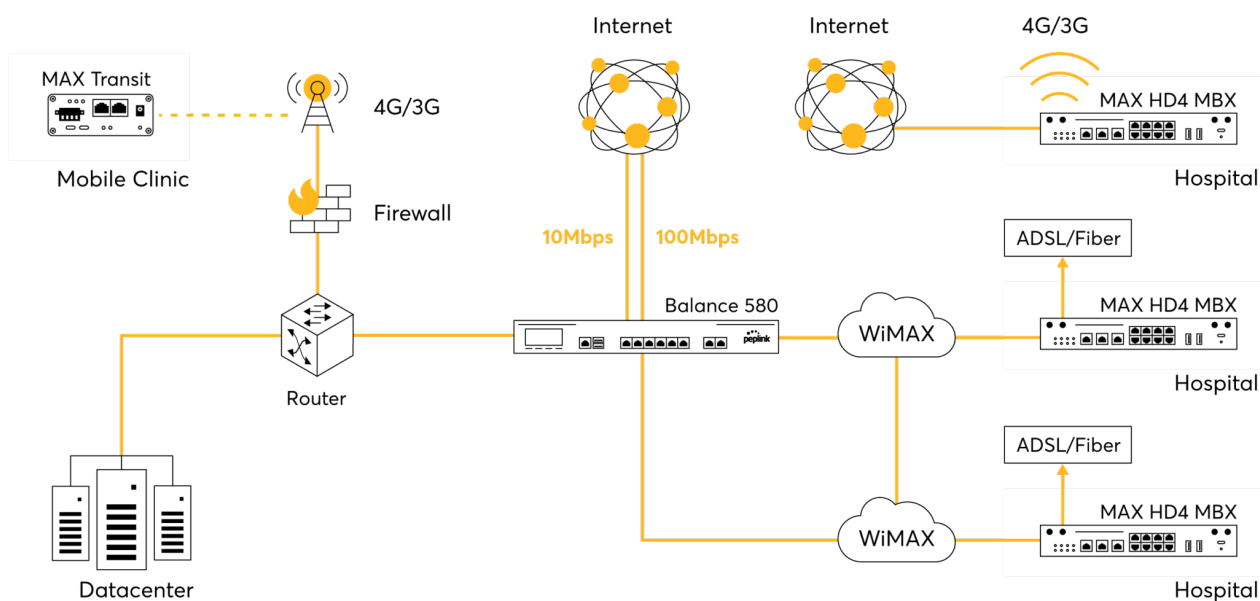
Featured Products

Balance SDX

- SD-WAN router with bandwidth bonding capability for medium sized facility
- VPN hub supporting up to 100 peers

Balance 310X

- SD-WAN router with bandwidth bonding capability ideal for small branches
- Supports 2 Ethernet WAN and one Cellular WAN
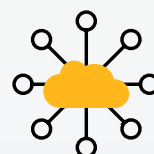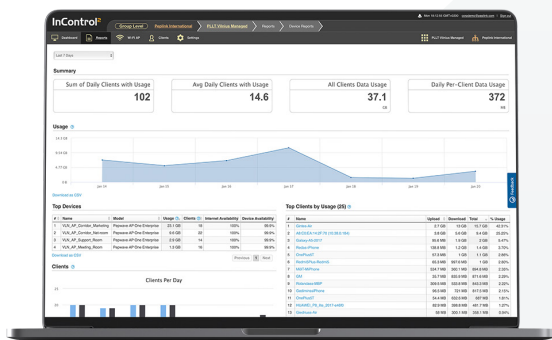
MAX Transit DUO

- SD-WAN edge router designed for Mobility/Transportation
- Compact size with high endurance
- Supports 2 active SIMs at same time

MAX HD4 MBX

- Cellular router with enough bandwidth for unbreakable telemedicine consultations and mobile clinics
- Supports 4 active SIMs at the same time
- Upgradeable to 5G technology with a simple module swap

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Empowering Online Learning

Seamlessly deliver online lectures and digital teaching content over a high performance and scalable network

To cope with new realities from pandemics, schools must be prepared to deliver online teaching content and lectures through a camera. Having a stutter-free video stream that enables lag free interaction is crucial to keeping students engaged. These technologies depend on reliable, secure and scalable networks. Peplink SD-WAN has a full range of solutions to deliver what campuses and schools need at a fraction of the cost of traditional WANs.

What are your Challenges in Education Connectivity?

Keeping classes stutter-free

Class time is precious, and schools must ensure low-latency and reliable delivery of teaching content and online lectures, whether from the school campus or the teacher's home.

Keeping IT costs low

Modernising the school network requires significant investment in fast internet connectivity and new network equipment, and the bill can add up quickly. Peplink offers high-performance and scalable solutions at highly reasonable pricing.

The Big Picture

FusionHub Appliance
AWS & GCE

FusionHub

EPX
Colocation

EPX
Corporate Office

Balance 310X
OFL

Balance 310X
PIE

Balance 310X
OFY

30 Remote Sites

8 Remote Sites

30 Remote Sites

Server Room

EPX

Multiple ISPs

Online
Content

Lower bandwidth consumtion
makes eLearning possible.

Core Switch

School Campus

PEPWAVE
AP One AX

PEPWAVE
AP One AX

PEPWAVE
AP One AX

PEPWAVE
AP One AX

×50

×50

×50

×50

Classroom A

Classroom B

Classroom C

Classroom D

50 concurrent sessions per AP, content gets delivered ∞ times an a single download.

2 Landline and cellular connections are combined using Speed Fusion

1 Lectures are streamed via the UBR.

LTE
ADSL
LTE

3 Students receive reliable streaming lectures.

Featured Products

EPX

- High performance router for large enterprise and campus
- Can combine multiple WAN and VPN with robust load balancing capabilities
- Linked to FusionHub hosted on AWS and Google Cloud via SpeedFusion

Balance 310X

- Mix in commodity link such as broadband and LTE (via USB slot) to reduce overall connectivity cost while boosting resiliency
- Build SpeedFusion link with campus core router for a resilient and fast network
- Ideal for remote school sites / small offices

Balance SDX

- Multi-WAN, load balancing router with content-caching capability for ensure instant content delivery, tailor-made for school network

UBR

- Combines the bandwidth of 2x LTEs for fast and unbreakable connectivity out of the box
- Minimum user set up and configuration required
- Ideal for instructors that do not have access to reliable wired internet

MAX MBX HD2

- Combines the bandwidth of 2x LTEs for fast and unbreakable connectivity
- Ideal for remote sites that only has access to LTE

AP One AX

- Enterprise grade access point with 802.11n 5GHz Wi-Fi
- Easy to install in classrooms
- Use InControl2 to push network filters and device config to all access points

SpeedFusion Cloud

Unbreakable Connectivity with a Single Click

SpeedFusion requires at least two endpoints with a Peplink router or FusionHub on each end. With SpeedFusion Cloud, we take care of the central endpoint so you can focus on your business instead.

SD-Branch Solutions for Retail Industry

Enabling Digital Transformation in Brick and Mortar Retail Stores

In the digital era, technology brings rapid changes to the retail landscape. Whether it is to enable physical store and ecommerce integration, store security, reliable mobile payment, or to stay in sync with enterprise cloud resources, a fast and agile network is key to a successful retail business.

Peplink offers a wide range of easily managed wired and wireless SD-WAN products for retailers of all sizes to keep their branch networks running smoothly. With a simple setup utilising wireless SD-WAN solutions, retailers can greatly enhance the reliability of WAN bandwidth at a drastically lowered monthly data cost, while gaining the flexibility to quickly add branches to any location any time. Retailers can also offer tailored experience, loyalty programs and customer insights through Peplink's easy-to-use, cloud managed WiFi access points and software UI.

What are your Challenges in Retail Connectivity?

Integrating data center, call center, stores and ecommerce into a seamless single network

Provide instant and reliable bandwidth in locations that wired line cannot reach

The Big Picture

Balance SDX

4G LTE

MPLS

Internet

4G

Balance 310X

Peplink Captive Portal

Wi-Fi

Core Switch

Switch

Switch

IDC. Balance SDX

4G LTE

MPLS

Internet

Switch

Switch

Branch. Balance 310X | AP One AC Mini

HQ. Balance SDX

Featured Products

Balance SDX

- Bandwidth Bonding router for wired deployments
- VPN hub supporting up to 800 peers
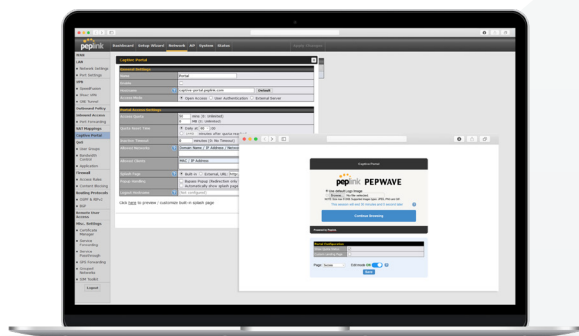- High VPN throughput for enterprise needs

Balance 310X

- SD-WAN router for edge branch with support for two Ethernet WAN and one Cellular WAN
- Power over ethernet (PoE) for IP phones and other PoE terminals

AP One AC Mini

- Small form factor, easy to install and hide
- Powerful 802.11ac WAVE2 provides seamless WiFi

Peplink Captive Portal

Peplink's AP Controller, a software-based AP management tool built into all Peplink Balance and select Pepwave MAX routers, lets you manage Peplink Access Points under your network and build a custom captive portal for your business through an intuitive interface. Setup is fast and access points are detected automatically, giving you immediate control over configuration, usage, alerts, user insights and much more.

Connectivity for Payment Networks

Wireless SD-WAN Solutions for Finance Industry

From regional branch networks video and voice services to ATM connectivity, financial institutions need connectivity that is fast, secure, reliable and scalable. Peplink SD-WAN offers an agile alternative at a fraction of what legacy WAN costs.

What are your Challenges in Finance Connectivity?

Security Minded Speed

SpeedFusion is packet level SD-WAN technology that allows you to scale your connectivity at any site and also improve your security posture. By creating an array of uniquely encrypted WAN to WAN mesh tunnels, SpeedFusion gives you higher performance and security.
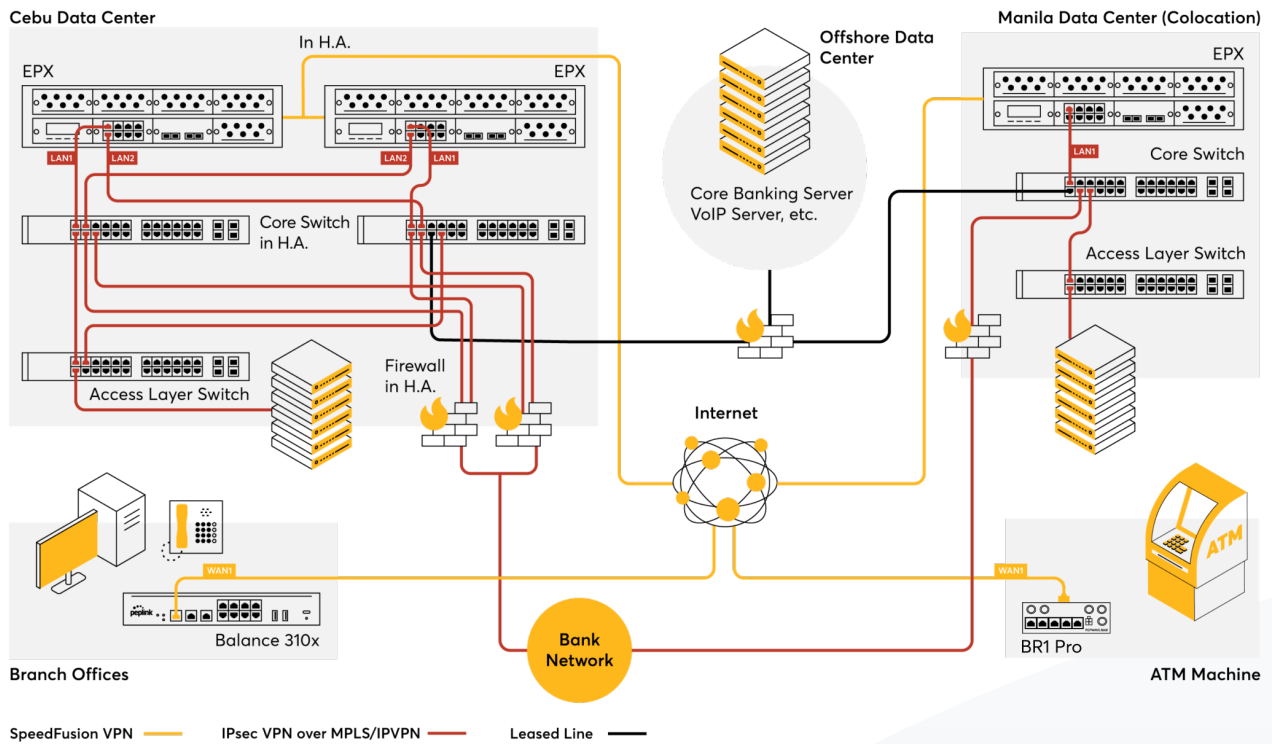
Any WAN, Anywhere

Peplink can scale your connectivity in any location. You can enhance your legacy wired WAN links with more affordable broadband or LTE/5G networks. With SpeedFusion SD-WAN and Drop-In-Mode, you can seamlessly upgrade your existing private network with any WAN you like.

CFO Approved

Peplink knows how challenging IT spending can be. That's why we've designed our products to help companies save money on their WAN connectivity mix. We've also built numerous tools to help you avoid overages and identify where your largest costs are. Our SpeedFusion SD-WAN keeps you performing great and keeps an eye out for your bottom line too.

The Big Picture

Cebu Data Center

In H.A.

EPX

EPX

LAN1 LAN2 LAN2 LAN1

Core Switch in H.A.

Access Layer Switch

Firewall in H.A.

Branch Offices

WAN1

Balance 310x

Offshore Data Center

Core Banking Server VoIP Server, etc.

Internet

Bank Network

Manila Data Center (Colocation)

EPX

LAN1

Core Switch

Access Layer Switch

ATM Machine

WAN1

BR1 Pro

SpeedFusion VPN —— IPsec VPN over MPLS/IPVPN —— Leased Line ——

PO Box 4107 Carlton NSW 2218   E-mail: info@risingconnection.com.au   www.risingconnection.com.au   ABN 50 161 068 042
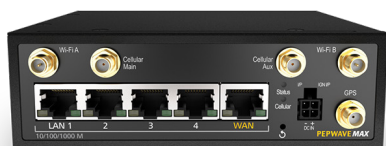
Featured Products

Balance SDX

- Deployed at the datacenter in HA mode
- IPsec VPN over MPLS/IPVPN
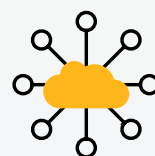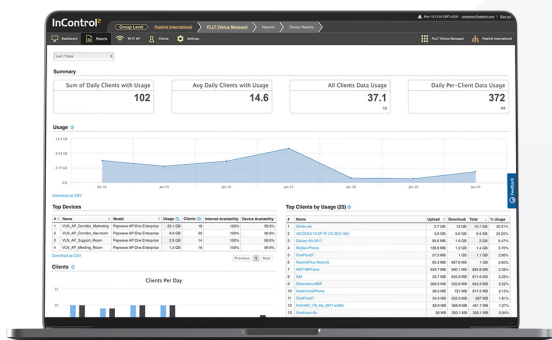- With bonded failover option

Balance 310X

- Deployed at all branches
- Mixing commodity connections for resilience and large savings


MAX BR1 Pro

- Flexible for deployment at ATMs
- Quick and easy to set up
- High security with SpeedFusion or PepVPN encrypted

InControl 2

Cloud-Based Network Management Platform

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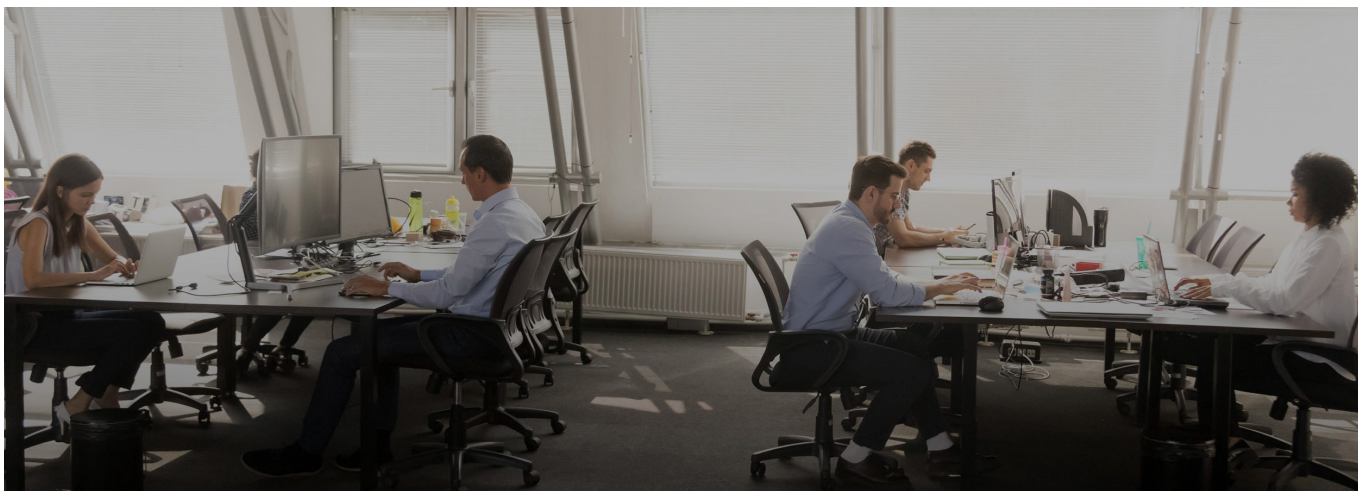
Branch Edge

Building a High Performance, Agile Branch Network

With video conferencing, VoIP calls, SaaS and the arrival of 5G becoming crucial parts to productivity, enterprise networking will need to be faster, more flexible and manageable. Peplink's Wireless SD-WAN addresses these challenges with its unique SpeedFusion technology, creating an unbreakable connection that is super-fast and easily scalable.

What are your Challenges in Branch Edge Connectivity?
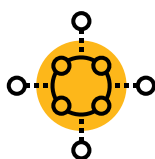
### Protecting Application Performance at Every Location

With rapidly rising bandwidth usage from SaaS and cloud services, network uptime and protecting performance at every location must be ensured.

Legacy Network Infrastructure Hampers Business Agility

Legacy services such as MPLS take months to set up and bind businesses to location-specific multi-year contracts, restricting the ability to respond to growth or deal with changes. Peplink's SD-WAN solutions use commodity broadband and LTE to offer the same amount of bandwidth at a fraction of the cost.

The Big Picture
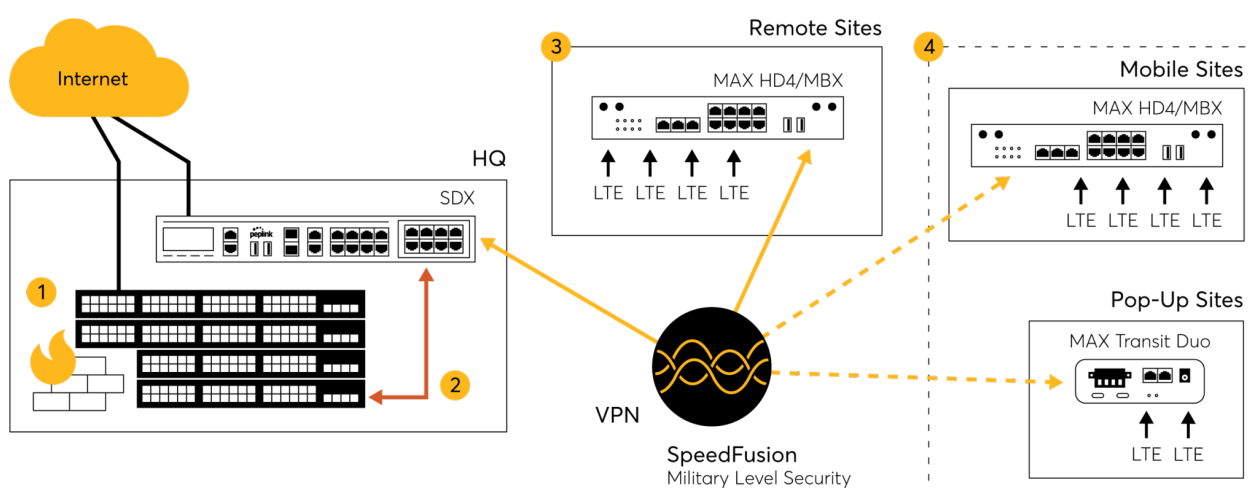
1. Existing Network with Firewall, Switch Stacks, and Servers.
2. SpeedFusion VPN provides reliable and fast access to network resources
3. Remote Sites uses the MAX router to connect to HQ resources using bonding LTE over the SpeedFusion VPN
4. Speed Fusion VPN makes it easy to expand the network to additional clinis, sites, or pop-up locations.

Featured Products

Balance SDX

- Deploy at headquarter or datacenter
- SpeedFusion VPN provides reliable and fast access to the network resources
- Modular design offers flexible choices of interchangeable connection interfaces, upgradeable to 5G

MAX HD4 MBX

- Wireless SD-WAN router with up to 4 bonded LTE connections ensures high performance and 100% uptime in remote branches
- Access corporate network resources with SpeedFusion VPN in minutes, rather than weeks with wired line

MAX HD2 MBX

- Wireless SD-WAN router with 2 bonded LTE connections for smaller mobile branches
- Access corporate network resources with SpeedFusion VPN in minutes

MAX Transit Duo

- Lightweight wireless SD-WAN router with 2 LTE slots for unbreakable connectivity to HQ resources
- Great for pop-up site or "office in a box" type setup
- Affordable, easily scalable and manage
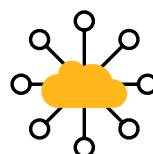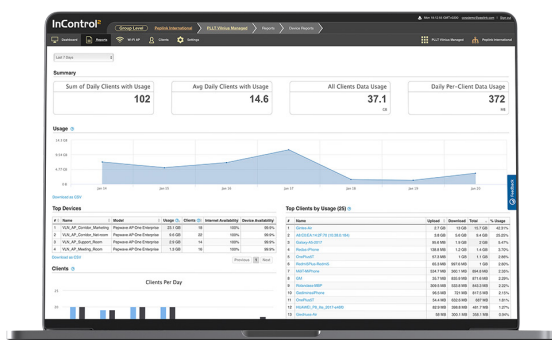
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Infrastructure and Utilities

## Bridging Serial Devices with a Modern, Secure Digital Network

Utilities increasingly rely on sensors to monitor remote infrastructures such as pipelines, wind turbines and power lines. Connectivity in these infrastructures are mission-critical. Large scale deployment in vast remote areas is highly impeded by limitations of legacy WAN. Peplink SD-WAN simplifies these deployments and provides multiple options for network redundancy with any form of WAN.

What are your Challenges in Energy & Utilities Connectivity?

Bridging Modern Network with Legacy Infrastructure

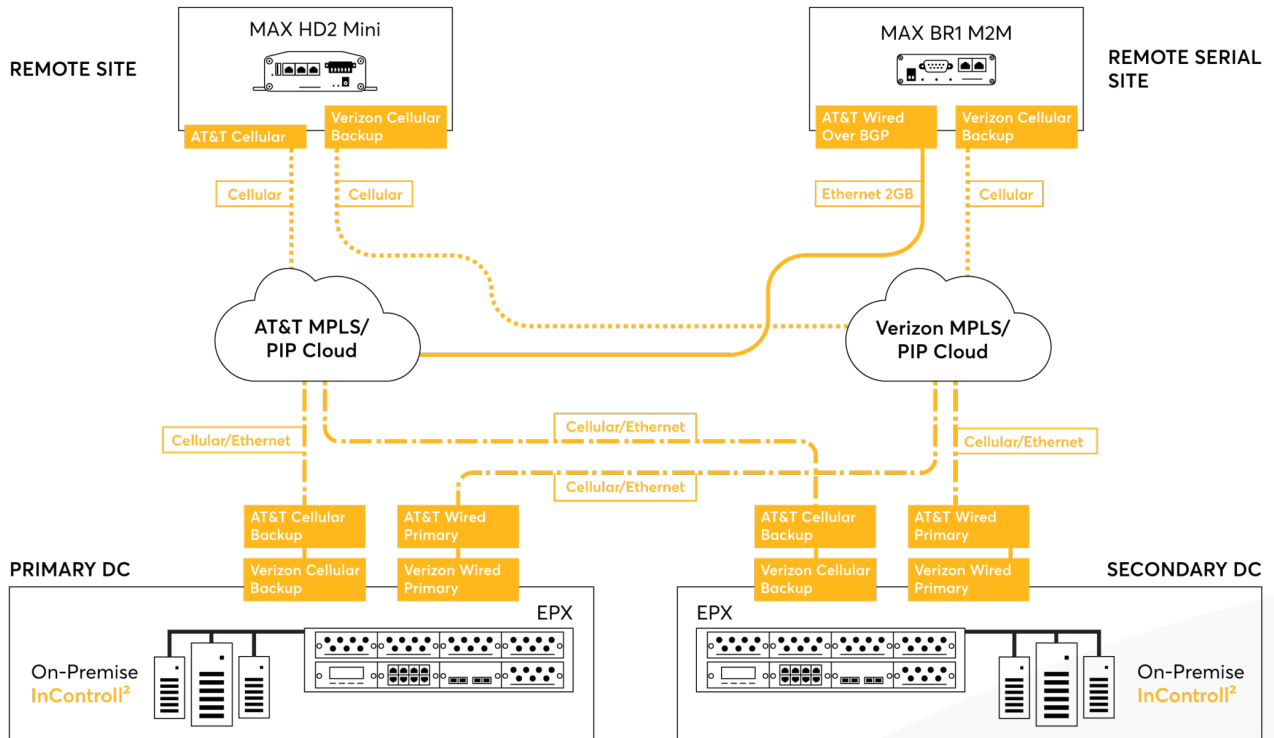Utilities infrastructure often depends on legacy serial devices. The ability to bridge modern networking with legacy infrastructure and protocols is mission critical.
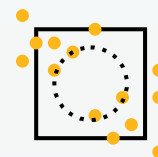
Network Security

Legacy services such as MPLS take months to set up and Security is mission critical for utilities. VPN links between Peplink devices are highly encrypted and compatible with any third party firewall solutions.

The Big Picture

REMOTE SITE

MAX HD2 Mini

| AT&T Cellular | Verizon Cellular Backup |

Cellular — Cellular

AT&T MPLS/ PIP Cloud

Cellular/Ethernet

Cellular/Ethernet

Cellular/Ethernet

| AT&T Cellular Backup | AT&T Wired Primary |
| Verizon Cellular Backup | Verizon Wired Primary |

PRIMARY DC

EPX

On-Premise
InControll²

REMOTE SERIAL SITE

MAX BR1 M2M

| AT&T Wired Over BGP | Verizon Cellular Backup |

Ethernet 2GB — Cellular

Verizon MPLS/ PIP Cloud

Cellular/Ethernet

| AT&T Cellular Backup | AT&T Wired Primary |
| Verizon Cellular Backup | Verizon Wired Primary |

SECONDARY DC

EPX

On-Premise
InControll²

Featured Products

EPX

- Deployed in both primary and secondary data center
- Connects with multiple wired WAN links and a large array of LTE links for great bandwidth allocation and massive amount of redundancy
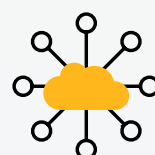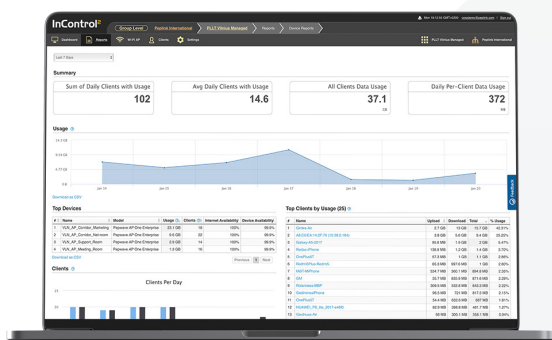
MAX HD2 Mini

- Deployed at remote site
- Extra cellular for backup, in case primary link fails
- Links up with both datacenters over highly secure VPN

BR1 M2M

- Deployed at remote serial site
- Primary wire link over BGP protocol plus extra cellular for backup
- Peplink VPN links on-site serial devices with datacenters

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Construction Connectivity

Rapid Deployment in Rugged Conditions

Construction sites today require connectivity for productivity, numerous cameras, sensors and IoT devices. A reliable network enhances productivity and safety of construction sites, but early stage job sites often do not have access to fixed line infrastructures. Peplink's ruggedised Wireless SD-WAN brings reliable enterprise-grade network to sites in minutes.

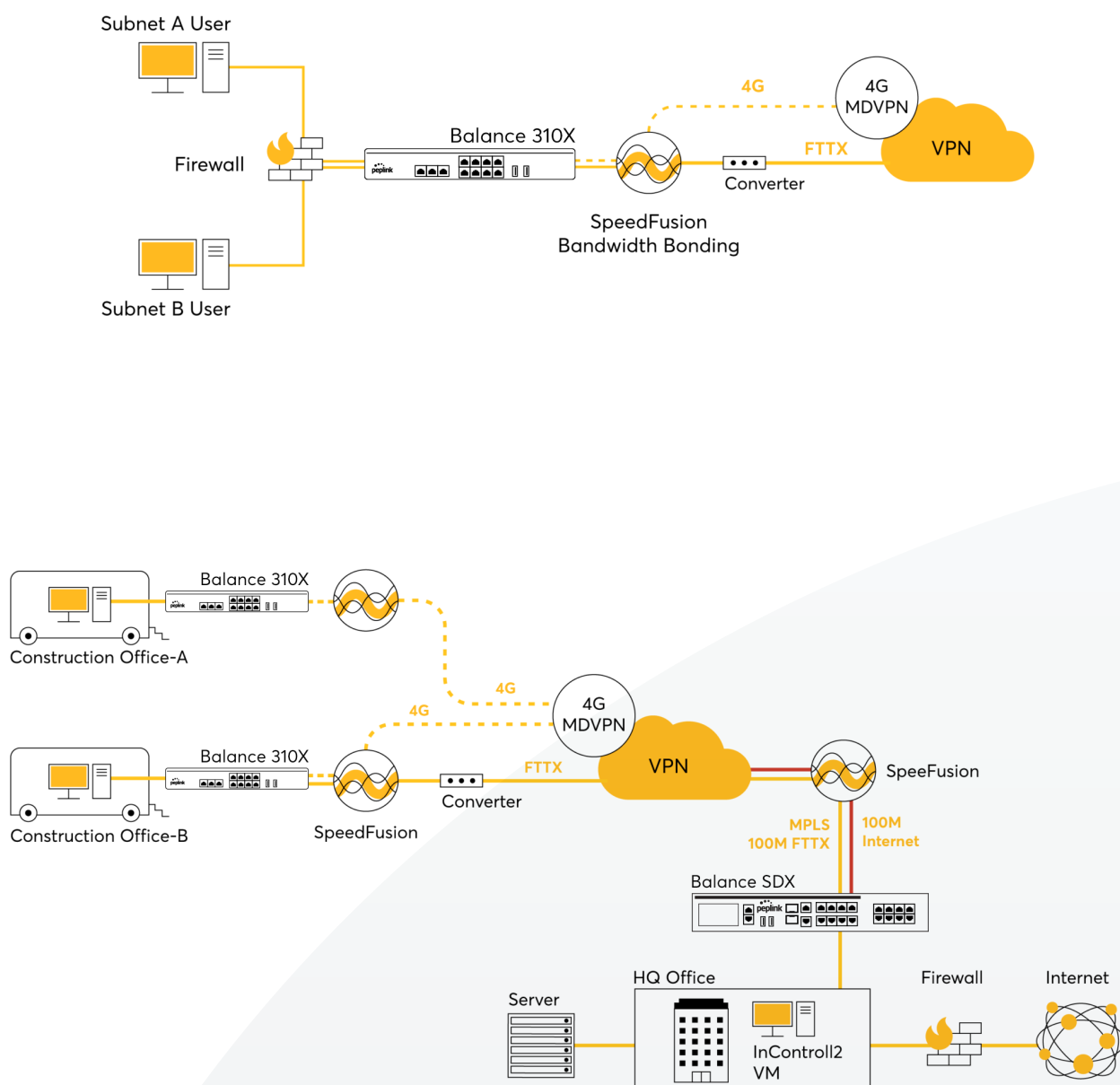## What are your Challenges in Construction Connectivity?
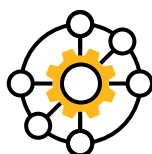
Work sites need connectivity, but laying a fiber to the location can take weeks. Sometimes, the work site is so far out that wireless is the only choice

With hundreds of sensors and cameras streaming data back and forth between remote work sites and head office, a fast and reliable connectivity is a must

The Big Picture

Subnet A User

Firewall

Subnet B User

Balance 310X

SpeedFusion
Bandwidth Bonding

4G

4G
MDVPN

Converter

FTTX

VPN

Construction Office-A

Balance 310X

Construction Office-B

Balance 310X

SpeedFusion

4G

4G

4G
MDVPN

Converter

FTTX

VPN

SpeeFusion

MPLS
100M FTTX

100M
Internet

Balance SDX

Server

HQ Office

InControll2
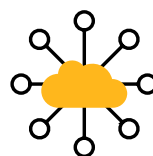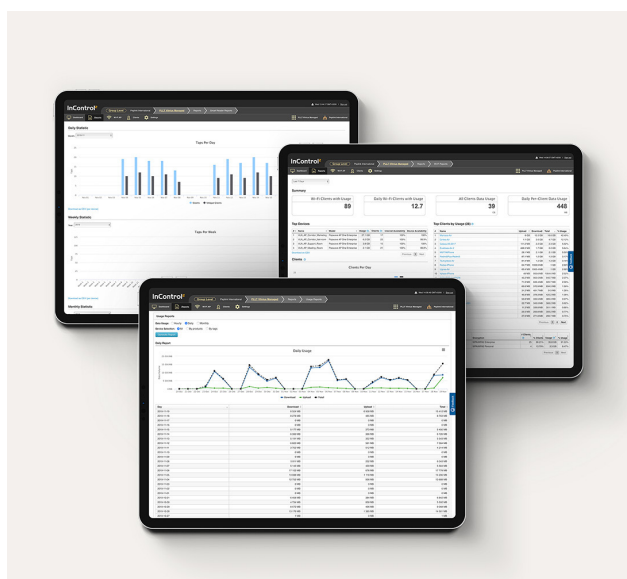VM

Firewall

Internet

Featured Products

Balance SDX

- Link aggregation and load balancing across 5 WAN connections
- Build unbreakable VPN links with branch routers deployed at edge sites
- VPN Hub supports up to 100 peers.

Balance 310X

- Hybrid WAN Edge SD-WAN device. Support 2x Ethernet WAN with 1x Cellular WAN
- Power over Ethernet for IP phones and security cameras

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