MAX mobile router

Professional Bandwidth Bonding Router

PEPWAVE
Broadband Possibilities

MAX BR1

Works with
SpeedFusion™
Bonding Technology

MAX HD2

Certified

verizon · Sprint · Lte · Wi-Fi
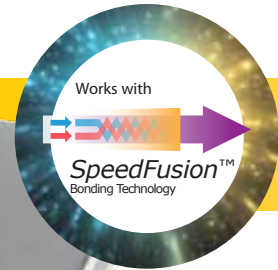
The Ultimate Mobile Router.

The Pepwave MAX mobile router gives you the ultimate in mobile connectivity. With the ability to combine a variety of wireless services, the MAX gives you maximum reliability through automatic link failover and scalability with multi-WAN load balancing and VPN bonding. The Pepwave MAX brings wireline reliability to environments where no other solution can.

Up to 7 Internet Connections.

The Pepwave MAX combines as many as seven 4G, LTE, 3G, VSAT, Wi-Fi WAN, and other mobile connections to deliver consistently high speeds and 100% uptime. Bond up to four USB modems and add broadband landline connections for blazing data transfer anywhere, anytime.

Get More Performance from Your Connections.

SpeedFusion™ bandwidth bonding automatically distributes traffic across wireless links, increasing connection stability and making maximum use of all available bandwidth. And you can scale your bandwidth as you go simply by adding extra 4G, 3G, or other wireless connections at any time. The MAX automatically switches to lower priority connections when primary connections fail due to signal or coverage issues. Your connection stays fast, and you stay seamlessly connected and productive.

Embedded LTE / World-Mode 3G Modems.

Leave your external modems behind. The Pepwave MAX features integrated LTE or world-mode 3G modems for instant connectivity anywhere you go. And because the MAX is easy to configure and shock/vibration resistant, you can give your mechanic a break.
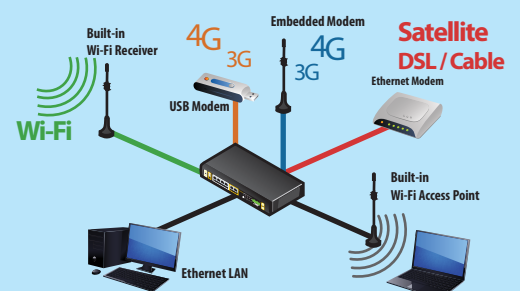
Stay Connected Anywhere.

Our LiveSession™ technology keeps your mobile network up and running at all times with seamless failover and persistent session roaming. No matter where you travel, you get uninterrupted access to POS, ERP, VoIP, and other critical data, even when individual links go down.
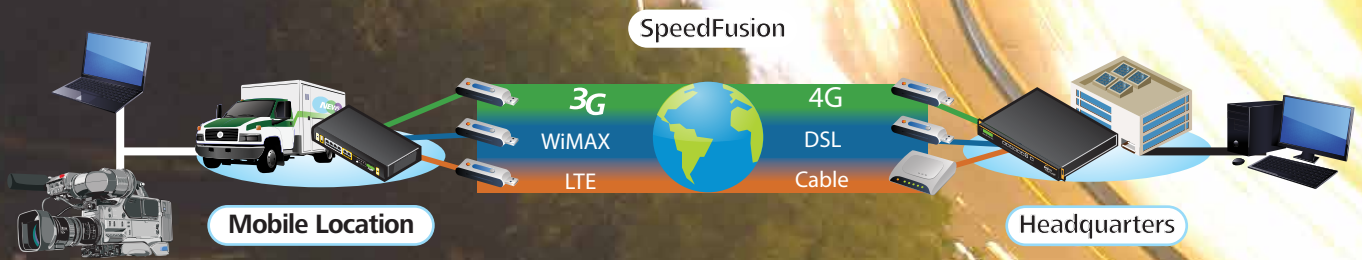
Key Features

- Multiple WAN load balancing and failover
- Aggregate multiple wireless connections with SpeedFusion™ Bandwidth Bonding
- HD video streaming over 4G/3G
- Automatic switching to best available link
- Connect to LTE, 3G, Wi-Fi, DSL, cable, and/or satellite
- Bandwidth allowance control and reporting
- Built-in embedded LTE modem or embedded world-mode 3G modem
- Built-in WLAN Controller for Pepwave AP
- Captive Portal for hotspots
- Terminal block for deployment on mobile vehicles
- Built-in GPS

Network Diagram

Built-in Wi-Fi Receiver
4G 3G
Embedded Modem
4G 3G
Satellite
DSL / Cable
Ethernet Modem
Wi-Fi
USB Modem
Built-in Wi-Fi Access Point
Ethernet LAN

SpeedFusion

SpeedFusion

3G		**4G**
WiMAX	🌐	DSL
LTE		Cable

Mobile Location

Headquarters

The Pepwave MAX with SpeedFusion will bond all traffic from a remote location to a central site device, such as Peplink Balance, and achieve high aggregated bandwidth.

MAX Applications

Public Safety
Command the Scene with a Mobile Router Ready to Take on Anything.

Stay on top of fast-changing emergency scenes with a router that can keep up with you and your team. Built to endure temperatures from -40 to 65°C and featuring industrial-grade shock and vibration resistance, the MAX keeps you in command of any public safety situation, no matter how hot or bumpy the ride gets. The MAX integrates easily with existing Wi-Fi infrastructure, and it allows you to combine up to seven 4G/3G, WiMAX, LTE, VSAT, Wi-Fi WAN, and other mobile connections for maximum signal speed, dependability, and cost-effectiveness. 256-bit military-grade encryption keeps transmissions secure, and your team stays safe and connected at all times -- all with ongoing savings that will make any city administrator smile.

Field Broadcast and Uplink
The News Won't Wait. And with the Pepwave MAX, Neither Will Your Viewers.

Keep viewers tuned in with the Pepwave MAX. Whether you're covering late-breaking news stories, live concerts, sports, or any other event that demands dependable, high-bandwidth mobile video transmission, the rugged MAX series stays with the story as long as you do. Up to seven bonded 4G/3G, WiMAX, satellite, and other mobile links handle HD video and Dolby audio with ease, and setup is plug and play. The MAX gets you on the air quickly and allows you to mix and match connection types and providers to cut your costs and still deliver a perfect performance every time.

Transportation
Fast, Reliable Mobile Connectivity Wherever You Roam.

The Pepwave MAX with SpeedFusion bonds and load balances up to seven 3G/4G, satellite, and Wi-Fi links from multiple signal providers to drive a fast, dependable, and flexible mobile Internet experience. The MAX even monitors usage automatically, giving priority to lower cost links, such as Wi-Fi and 3G, when demand allows, saving you money but still providing rock-solid reliable service that scales as you need it. And to make sure that everyone gets the best possible online experience, the MAX also lets you easily set usage policies.

How SpeedFusion Works?

SpeedFusion Bandwidth Bonding requires a MAX Mobile router and a Peplink Balance 210 or above working in a pair on any IP network. The MAX can be used in both stationary and moving environments, such as a car or train, while the Balance will be deployed in a data center, headquarters, or other central site.

To use SpeedFusion Bandwidth Bonding in mobile environments, connect two or more high-quality, similar-speed cellular links from multiple providers to the MAX. Once the Balance and MAX are paired, video, VoIP, and other data split into packet fragments and route over the fastest possible paths before reassembling at their destination. When speed takes priority over security, you can turn off data encryption to boost data throughput even higher, though external security measures are recommended.

MAX BR1

M2M and Telemetry
Get All Your Machines Talking at High Speed.

The Pepwave MAX series is ideal for machine-to-machine communication and monitoring, such as ATM, environmental, and factory automation applications. Able to bond multiple wireless connections and carriers, the MAX offers uninterrupted high-bandwidth service for mission critical applications and also features on-board 256-bit AES encryption to protect sensitive data. Built to stand up to even the harshest environments, the MAX series is rated for temperatures from -40 to 65°C and is certified shock and vibration resistant. So no matter where you put it to work, you can rest assured that the MAX will keep your machines talking.

Retail and POS
Set up Shop Anywhere, Anytime with the Pepwave MAX.

Why wait for customers to come to you? Whether you want to enter an emerging or rural market or just deploy a temporary retail branch office to take advantage of a special event or other public gatherings, Pepwave makes it easy to capitalize on any opportunity, wherever you find it. The MAX's VPN bonding feature means there's no need to invest in a costly MPLS leased line, and the embedded modem accepts any SIM card for fast and easy setup. And when you need more speed, you can affordably add it anytime with multiple bonded 4G/3G, WiMAX, and satellite connections. The MAX provides 256-bit security, so data remains safe from prying eyes, and it supports realtime POS systems, giving you a secure, reliable, and cost-effective way to expand your retail business.

Landline Replacement
Get Wired Networking Performance. Without the Wires.

Cut the cord and give your entire office the benefits of high-speed, multi-connection wireless Internet with the Pepwave MAX series of mobile routers. The MAX's built-in Wi-Fi access point, DHCP server, and four Ethernet ports let you bond multiple 4G/3G, WiMAX, satellite, LTE, and other connections to deliver wired speeds and wireless convenience to everyone on your staff. Plug-and-play simplicity combined with zero-wait landline provisioning and an all-in-one design make it simple and quick to deploy your office network at trade shows, conferences, or anywhere else you do business -- all with the access control and security you depend on every day.

Specifications

Product Code	On-The-Go MAX-OTG-U4	BR1 MAX-BR1	HD2 MAS-GN2C2-R	BR1 MAX-BR1-LTE	700 MAS-GN2-R	HD1 MAX-HD1-LTE	HD2 MAX-HD2-LTE
Interface	**3G**			**4G**			
Embedded Modem Type[1]	○	3G	3G	LTE*	○	LTE*	LTE*
Embedded Modem WAN	○	1	2	1	○	1	2
USB Modem WAN [2]	4	○	1	○	4	1	1
Ethernet WAN	1	1	2	1	2	2	2
802.11n Wi-Fi WAN	○	○	●	○	●	●	●
802.11n Local Wi-Fi AP	●	●	●	●	●	●	●
Ethernet LAN Ports	1	2	4	2	4	4	4
Feature	**3G**			**4G**			
Automatic Failover	●	●	●	●	●	●	●
Load Balancing	●	○	●	○	●	●	●
SpeedFusion Bandwidth Bonding[3]	○	○	◐ #	○	◐ #	●	●
WLAN Controller[4]	○	○	●	○	●	●	●
Captive Portal	●	●	●	●	●	●	●
Bandwidth Usage Monitor	●	●	●	●	●	●	●
Bandwidth Usage Report	○	○	●	○	●	●	●
FusionHub Central Management	●	●	●	●	●	●	●
IPsec VPN (Network-to-Network)	●	●	●	●	●	●	●
PPTP VPN Server	○	○	●	○	●	●	●
QoS for VoIP and E-commerce	●	●	●	●	●	●	●
Terminal Block	○	●	●	●	●	●	●
Built-in GPS	○	●	●	●	○	●	●

[1] 3G Embedded Modem supports GPRS / EDGE / UMTS / HSDPA / HSUPA / CDMA 1x RTT / EVDO. [2] For a list of supported modems, please refer to: http://www.pepwave.com/modem [3] SpeedFusion can create Bandwidth Bonding connection with Peplink or Pepwave devices. [4] Pepwave MAX 700/HD1/HD2 features WLAN Controller for managing up to ten Pepwave AP devices. * Multiple LTE configurations are available. # SpeedFusion is available as optional feature. For the most updated specifications, please refer to our website: http://www.pepwave.com/products/max-mobile-router/.

MAX On-The-Go

Built-in Wi-Fi Antenna

MAX BR1

MAX 700 / HD1 / HD2

Included Wi-Fi / Cellular Antennas Not Shown

Features

WAN
Support for PPPoE, Static IP, DHCP
WAN Link Health Check
Bandwidth Allowance Monitor
USB 4G / 3G Modem Support
IPv6 Support

LAN
DHCP Server for LAN Clients
Extended DHCP Options
DHCP Reservation
Support for Dynamic DNS services
DNS Proxy for LAN Clients

WLAN Controller
Support for Pepwave AP Series
Customizable Captive Portal
Auto AP Discovery
Auto AP Firmware Management
AP Profile Configuration

Complete VPN Solution
SpeedFusion Bandwidth Bonding
    Site-to-Site VPN
    Bandwidth Aggregation
    Intelligent Failover
    LiveSession Technology
    256-bit AES Encryption
    Pre-shared Key Authentication
    Dynamic Routing
PPTP VPN Server
    RADIUS, LDAP Authentication
IPsec VPN (Network-to-Network)

Load Balancing
Intelligent Failover
Session Persistence
Per-Service Load Distribution
Multiple Algorithms

Networking
NAT and IP Forwarding
Static Routes
Port Forwarding
Many to One, One to One NAT
NAT Pool
SIP ALG, H.323 ALG
UPnP, NAT-PMP
WINS Server

Advanced QoS
User Groups
    Bandwidth Reservation
    Individual Bandwidth Limit
Custom Application QoS
Application Prioritization

Security
DoS Prevention
Stateful Firewall

Device Management
Web Administrative Interface
Command Line Interface
FusionHub Central Management
Email Notification
Active Client & Session Lists
Bandwidth Usage Statistics
Web Reporting Services
Syslog Service
SNMP v1, v2c and v3

Certification
FCC, CE, RoHS
Shock and Vibration Resistance
    EN 61373:1999 IEC 61373:1999
RF Port Lighting Immunity
    ITU-T K.20 (+/- 1.5 kV)

Specifications vary across different MAX models. For the most updated specifications, please refer to our website: http://www.pepwave.com/max-mobile-router/.