



4G LTE / 3G Bandwidth Bonding

WAN Bonding Application Notes

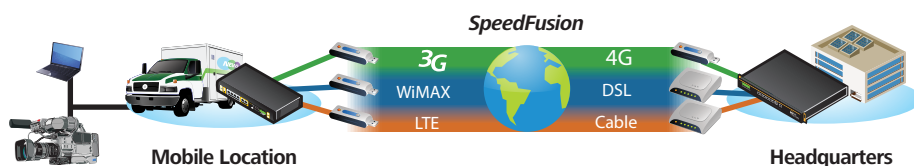
Cellular Technology Alone Can't Keep Up with Mobile Business Demands.

As more and more business takes place outside the office, telecom providers have responded by boosting the speed and reliability of their 3G networks, in addition to rolling out innovations like 4G LTE, and WiMAX in an increasing number of markets. But no matter how quickly cellular data bandwidth and quality improve, mobile business always seems to demand more. From live video streaming and conferencing to ever-larger file transfers and real-time collaboration, today's mobile applications strain even the latest and greatest cellular technology to its limits. The result is fluctuating data quality, unpredictable data rates, and widespread frustration, in addition to costly overage charges.



SpeedFusion Bandwidth Bonding Turbocharges Mobile VPNs.

SpeedFusion, the technology at the heart of every Balance Multi-WAN and MAX Mobile router, bonds the bandwidth from multiple cellular connections. You get faster and more reliable mobile VPNs in every application. Plus, all your data is secured by military-grade encryption, and data volume is monitored and controlled to keep you under your usage cap and within budget.



Get the Speed You Need On the Road.

SpeedFusion Bandwidth Bonding automatically aggregates all connected 4G LTE / 3G, WiMAX, links to give you fast data transfers, smooth HD video, and blazing performance wherever you go. Need more speed? Just add cellular connections and let SpeedFusion take care of the details.

Enjoy Wired Reliability Without the Wires.

SpeedFusion bonds cellular connections from multiple providers, continuously monitoring link connectivity and automatically switching to healthy connections in the event of link failure. Your network stays up and running, and you stay open for business.

Do More on the Road with SpeedFusion.

The speed, reliability, and security delivered by SpeedFusion open up a wide range of new mobile VPN applications in demanding, mission-critical fields, such as newscasting and public safety. In addition, transferring large files, such as those generated by digital production, photography, and POS activities, becomes practical and profitable wherever your mobile workforce roams.

Learn More About SpeedFusion

To find out more about SpeedFusion and how it can revolutionize the way you work on the road, contact a Peplink representative today.

PEPWAVE MAX



The Pepwave MAX is the ultimate mobile router. Able to load balance up to seven wireless links, including 4G/3G, WiMAX, LTE, VSAT, and Wi-Fi WAN, the MAX delivers enterprise-level dependability without dead zones in any mobile environment. And with the MAX's SpeedFusion™ technology, which bonds the bandwidth of all connected links into one big, fast data pipe, you're free to work productively and creatively wherever your work takes you.

The MAX helps you control mobile connectivity costs that automatically switches between different connection according to your preference. Plus, our Bandwidth Monitor lets you check usage in seconds, so you can stay under your data cap and avoid costly overages.

Designed and built for the road, the Pepwave MAX gives you the reliability, speed, and control you need to take your office anywhere -- all in one rugged box that's plug-and-play and grab-and-go.

Live Demo

Try out the Pepwave MAX's Web Admin Demo now!

peplinkdistributor.nl/pepwave-max-demo/

Case Study of Nokia Siemens Network, Germany



Nokia Siemens Networks is a leading provider of telecommunications and data networking equipment. While developing 3G data networking equipment for a recent project, the engineers at Nokia Siemens Network quickly realized that by bonding multiple wireless HSPA+ connections, service providers could establish a cost-effective and reliable high-speed wireless data connection without the expensive equipment and licenses required by 4G networks.

Seeking the hardware and software needed to implement this bonded solution, NSN engineers evaluated and tested the Peplink Balance and its SpeedFusion Bandwidth Bonding technology, which achieved bonded wireless at speeds of up to 235Mbps using the latest HSPA+ technology. Featured in leading shows such as CTIA Wireless and Mobile World Congress, the Peplink Balance soon became the backbone of Nokia Siemens Network's 3G networking project.

- Nokia Siemens Networks is one of the largest data networking and telecom equipment providers in the world
- Looked for a solution that could bond multiple wireless links
- Sought to increase bandwidth and transfer data at very high speeds
- Used a fleet of Peplink Balance 1350s as standard equipment for their new radio technologies
 - Aggregated 6x HSPA connections
 - Achieved ~235Mbps using Peplink's SpeedFusion Bandwidth Bonding
- Winning Factors:
 - Excellent bonding capability
 - Outstanding support service



Customer Spotlight

