



by **SIMA**
G M B H

BONDING DONE SMART

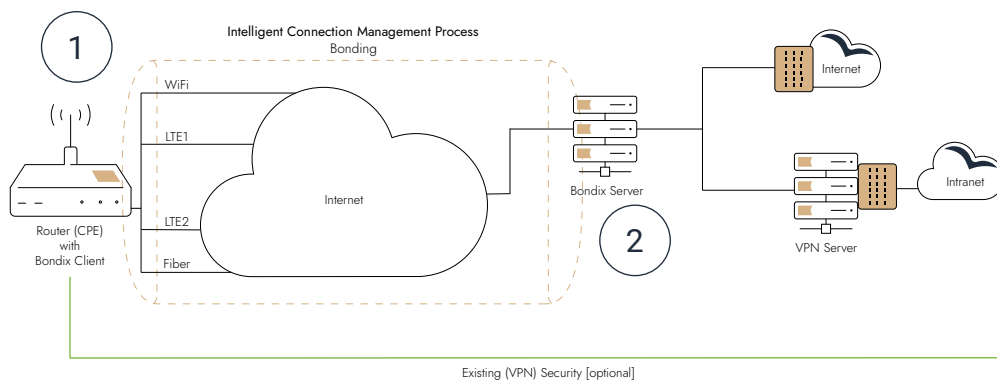
BONDING AT ITS BEST

While highspeed Internet is available almost anywhere by now via fiber and 5G, the need for reliable connectivity is ever growing. Bondix® WAN Bonding was developed to ensure you stay online: It combines at least two WAN links on routers that were not originally designed to do so.

Bondix® WAN Bonding is supported on Teltonika, Digi, Advantech, AnyRover, and many other OpenWRT-based router models, and allows you to combine different WAN interfaces and providers for aggregation, load balancing, or seamless hand-over. It can be installed with the click of a button and is easily configured with a downtime of only seconds.

HOW IT WORKS

Bondix® Architecture



Bondix® WAN Bonding happens between the Bondix® Client (1) on your supported router and a Bondix® Server (2), hosted either by Bondix partners or by yourself. The client software combines all existing WAN interfaces of any type of WAN medium into a virtual tunnel. In this example, the tunnel is established via WiFi, two different 5G / LTE connections and fiber. This virtual tunnel uses the Bondix® Server as a relay, from which the data is then forwarded to the Inter- or intranet.



WAN BONDING

BENEFITS



EASILY INSTALLED



COST-EFFECTIVE



HARDWARE-AGNOSTIC

BECAUSE SMARTER IS BETTER.

BONDING OPTIONS

- **Seamless failover**
One WAN link is used, all WAN links stay connected.
- **Load balancing with seamless hand-over**
All WAN links are used, each one for a different application.
- **Bonding (WAN aggregation)**
All WAN links are used and their bandwidth is combined.
- **Packet duplication**
Replicates data packets on two or more WAN links.

BUILT-IN INNOVATION



One-Click Tunnel Configuration

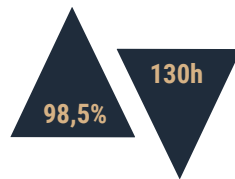


Server Geo-Redundancy



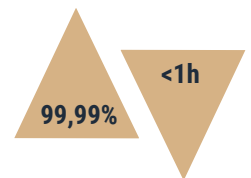
Third-party VPN Support

RELIABILITY BOOSTER



Most providers offer an SLA of 98,5% for their connections, which means they could be out for about 130 hours without compensation. Usually, outages don't wait for weekends, and they don't accumulate—lots of lost business.

With Bondix® WAN Bonding, you can increase your connection reliability to 99,6% with only 36 hours outage by aggregating two fixed network or wireless WAN links and using two Bondix® Servers for failover. Or, you combine two Bondix®-capable routers with two servers and go even higher up to 99,99% with less than an hour.



ADDITIONAL FEATURES

Bondix® Bonding Proxy

Ensures best performance possible

Satellite Mode

Higher throughput with satellite

Latency Smoothing

Smart traffic distribution

Optimal use of available WANs

More WAN links on peak demands

WAN Prioritization

Take latency or cost into account

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SIMA GmbH is the company behind all things Bondix® WAN Bonding.

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bondix®

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