

PortaBella

Mobile Internet over bonded 3G/4G wireless

PortaBella, enables cost-effective Internet connectivity via bonding up to 8 multiple cellular Internet access cards for increased performance and reliability.

PORTABELLA FEATURES

Downlink/uplink bonding in peered mode

Bonds Internet access lines for all types of traffic (including encrypted traffic such as VPN) for aggregated downlink and uplink capacity when peered over the Internet with a Portabella Server device located at the headquarter office or data center (add-on modules are required for real-time traffic types). For single office setups optional Broadband Bonding Service subscription enables downlink/uplink bonding.

Aggregated downlink capacity in standalone mode - When not peered with a Portabella Server device, HTTP downlink sessions will still use the aggregated bandwidth of all the combined Internet access links, even in the case of a single HTTP session. For non-HTTP downlink sessions and all uplink sessions,

PortaBella provides session-based intelligent load balancing across the access links in standalone mode.

Link failure recovery & link failover - In case of Internet access line failures, PortaBella will keep the ongoing sessions alive by shielding any packet loss or link outages from the applications, even for the sessions in progress, without loss of data integrity.

Advanced QoS algorithms - All traffic routed through the PortaBella is intelligently managed to prioritize traffic. Additionally a unique set of proprietary algorithms are implemented to improve real-time traffic latency metrics. For real-time traffic, one of the add-on modules (Streamer, Streamer PRO, Teleporter or ThirdEye) is required.

Transparent installation - The existing Local Area Network does not require any changes. No coordination, new equipment or software is needed from the Internet Service Provider(s). A remotely accessible browser-based management interface provides quick and easy configuration and system monitoring.



**Bonding
the world**



*"fastest mobile wireless
Internet access available"*

PORTABELLA HARDWARE SPECIFICATIONS

Mechanical Dimensions	7.75"(W) x 3.13" (D) x 8.25"(H), ultra portable
Weight	4.2 lbs (including optional embedded rechargeable battery)
Input Power Requirement	12V DC via external power adaptor (110/240V AC) or optional embedded rechargeable battery
USB ports	8 (for cellular data card)
LAN ports (10/100baseT, auto-sensed)	1 (RJ-45 Ethernet connector)
Wired WAN ports	1 builtin + 8 (via the optional USB-to-Ethernet converter kit)
WiFi Access Point / WiFi WAN	Built-in 802.11g/n
Operating Temperature Range	-4 - 140 F, -20 - 60 °C
Operating Humidity Range	5% - 95% non-condensing
Storage Temperature Range	-22 - 158 F, -30 - 70 °C
Cooling	Active cooling with fan
Sliding Cover	Rail based sliding hardened cover protects the 3G/4G wireless cards connected via the stress-relief connectors
Add-on options	<ul style="list-style-type: none"> - Broadband Bonding Service option (for uplink bonding for data) - Embedded rechargeable battery

PORTABELLA SOFTWARE SPECIFICATIONS

Max throughput	65 Mbits/sec (standalone), 20 Mbps (peered)
Max number of concurrent IP sessions	56,000 (customizable for higher number of concurrent IP sessions)
Device management	Web based management, SNMP, Remote syslog, Email Alerts
DHCP and DNS servers	DNS relay, Parallel DNS optimization, DHCP server
DDNS	Support dynamic DNS for multiple interfaces
WAN Configurations	<ul style="list-style-type: none"> -Configuration modes: static, PPPoE, DHCP, Passthrough -Selectable "failover-only" or "aggregate" modes WANs -User configurable WAN interface binding
Routing	NAT and IP Forwarding, QoS and inbound/outbound VoIP quality management
Firewall	<ul style="list-style-type: none"> -Stateful packet inspection -DMZ support -Inbound/outbound port filtering