



MEG-100 PLATFORM

The **Benu Networks MEG-100 platform** is designed for fixed and mobile broadband operators deploying scalable and intelligent Service Provider Wi-Fi (SP Wi-Fi) service offerings. The MEG-100 is ideal for small to medium deployments for Community Wi-Fi, HotSpot 2.0, and Wi-Fi integration into the 3G/4G packet core for residential and enterprise hotspots. The MEG-100 is designed to address scalable L2/3 session processing, mobility and subscriber management.



The MEG-100 is a 2 Rack Unit (RU) chassis supporting AC and DC power supplies that are 1+1 redundant and hot swappable. The platform supports integrated 10x10GE interfaces using standard small form-factor pluggable plus (SFP+) connectors. The integrated interfaces provide non-blocking 100Gb/s application throughput. Separate Ethernet management and console ports are provided for system administration.

The MEG-100 utilizes state-of-the-art design leveraging multi-core Network Processing Units (NPU), search processors, and traffic management engines. This design optimizes Benu's software applications for large scale subscriber session control, tunnel processing, QoS, mobility, and Layer 3 services. The platform provides application hardware acceleration for in-line services such as CGNAT, DHCP server, RADIUS proxy, and other network functions needed for SP Wi-Fi deployments.

The MEG-100 is designed to support the following applications:

- Community Wi-Fi (Indoor/Outdoor)
- HotSpot 2.0/Roaming
- Mobile data offload & 3GPP interworking
- vCPE

MEG-100 SPECIFICATIONS

System Throughput	Up to 100Gbps
I/O Interface	10x10GE SFP+ Ports <ul style="list-style-type: none"> • 10GBASE-SR Multi-Mode Fiber SFP+ Specification • 10GBASE-LR Single-Mode Fiber SFP+ Specification • 10GBASE-ER Single-Mode Fiber SFP+ Specification
Console Access	RJ-45 RS-232 Console RJ-45 Ethernet Management (1000base-T) Console
Operating System	BenuOS
Rack Units (RU)	2 RU (19" Rack Mountable)
Dimensions	Height: 3.468" (88.09mm), Width: 16.9" (429.26mm) Depth: 26.23" (666.24mm)
Weight	50 lbs. (20.41 kg) one power supply 60.5 lbs. (24.95 kg) one power supply and packaging 55.5 lbs. (25.17Kg) two power supplies 66 lbs. (29.94 kg) two power supplies and packaging
Max Power Ratings	AC: 100-240V, 50/60 Hz, 700W Redundant DC: -48V to -60V, 700W, Redundant
Cooling	Front-mounted fan and filter
Safety Agency Certification	EN 60950-1:2011 UI60950-1:2011-12 CAN/CSA-C22.2 No. 60950-1/A1:2011 UL 60950-1/R:2011-12 EN 60950-1/A12:2011
EMC Emissions & Immunity	Emissions: EN 55022:2010/AC:2011 Class A ITE (EU) ICES-003 Issue 4 Class A Digital Apparatus (Canada) CFR 47 FCC Part 15 Subpart B Class A (USA) VCCI Class A ITE (Japan) AS/NZS CISPR 22:2009/A1:2010 Class A ITE (Australia) EN 61000-3-2:2006/A1:2009/A2:2009-Limits for harmonic current emissions (equipment current up to and including 16A per phase) EN 61000-3-3:2008 Limitation of voltage fluctuations and flicker in low voltage supply systems for equipment with rated current up to and including 16A EMC Immunity: EN 55024:1198/A1:2001/A2:2003 ITE-Immunity characteristics
CB Test Certificate	IEC60950-1/A1:2009
Environmental	Operating Temp: 0°C – 40°C Ambient Storage temp: -40°C to 70°C Above Sea Level: -200 to 10,000 feet Humidity: 5%-95% R.H. - non-condensing



CORPORATE HEADQUARTERS
300 CONCORD ROAD
BILLERICA, MA 01821

WWW.BENU.NET
T: +1.978.223.4700
F: +1.978.663.0427