FLUIDMESH 1000

FLUIDITY™ NETWORK APPLIANCE

The Fluidmesh 1000 Gateway is a rugged industrial-grade network appliance that makes the set-up and management of a **medium**-scale Fluidity system fast and easy. It allows the Fluidity wireless infrastructure to scale to hundreds of radios devices without impacting the performances of the overall system.

SCALABILITY UP TO 1 GBIT/S

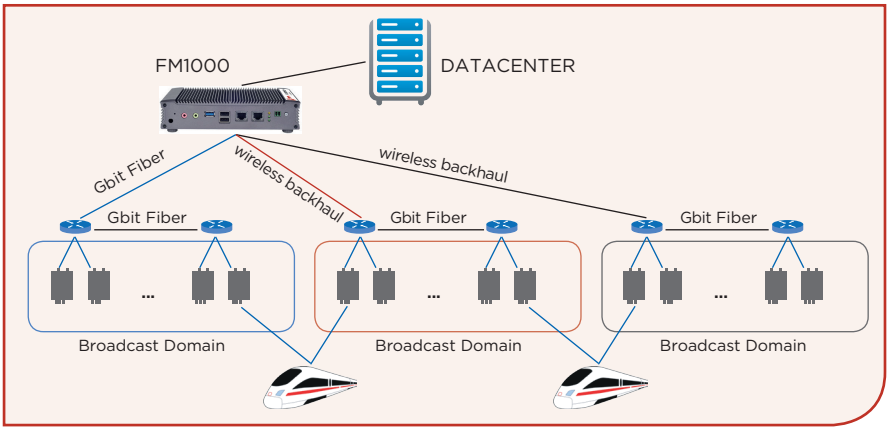
The Fluidmesh 1000 Gateway leverages its powerful network processor to handle a large number of packets per seconds lowering the load on the Fluidmesh radios installed in the field. The Fluidmesh 1000 Gateway is equipped with 2 Gigabit Ethernet interfaces and it is able to handle up to 1 Gbit/s of aggregate traffic coming from a Fluidity radio cluster.

REDUNDANCY

More than one Fluidmesh 1000 Gateway can be installed for the same system to provide redundancy and automatic fault tolerance in the system. Multiple Fluidmesh 1000 Gateway can be co-located in the same data center or installed in different data centers to provide geographical redundancy.

REACHABILITY

The Fluidmesh 1000 Gateway helps in connecting different clusters of Fluidity networks that are separated in different broadcast domains. The Fluidmesh 1000 Gateway will act as the aggregation point for all tunnels and will connect all different portions of Fluidity infrastructure across layer 3 networks or wide-area networks (WAN). Using the Fluidmesh gateway, roaming across different clusters belonging to different broadcast domains will happen with zero hand-off time thanks to Fluidity make-before-break patented technology.



RUGGED DESIGN

The Fluidmesh 1000 Gateway is a rugged embedded network appliance that can be installed in a data center or in a shelter in the field. The device can be installed on DIN-RAIL and it operates with an extended temperature range.

MAIN FEATURES

- Dual-core or Quadcore SoC
- 2x Gigabit Ethernet ports
- Optional Rack, VESA, DIN rail and wall mounting
- Integrated network management and logging

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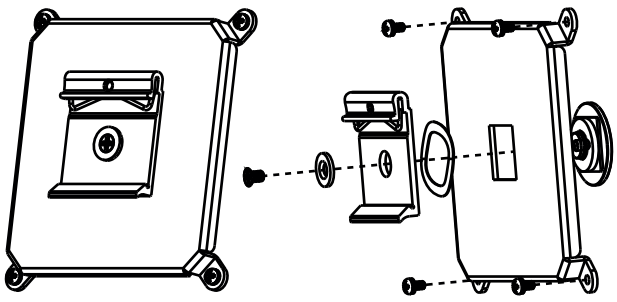
FLUIDMESH NETWORKS

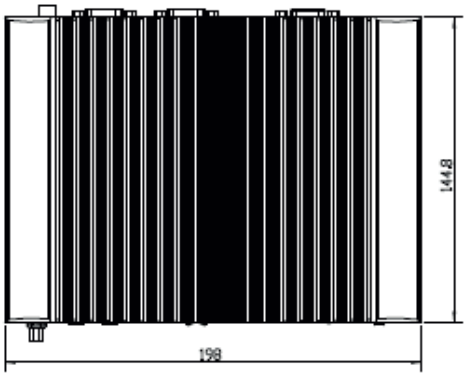
TECHNICAL SPECS

Processor System	CPU	Intel Celeron J1900
	Frequency	2 GHz
	L2 Cache	2 MB
Memory	Technology	DDR3 1333 MHz
	Socket	1 x 204-pin SO-DIMM, 4 GB DDR3L 1066 MHz
Ethernet	LAN #1	10/100/1000Mbps, Autosensing, RJ-45
	LAN #2	10/100/1000Mbps, Autosensing, RJ-45
I/O Interface	Serial Ports	2 x serial ports
	USB Interface	2 x USB 2.0, 1 x USB 3.0 - Type A connector
Other	Digital I/O	2 x DI and 2 x DO with +5V TTL Level
Storage	2.5" Drive Bay	1 x 2.5" HDD/SSD 500GB
Power Requirement	Power Input Voltage	Single 12 VDC
	Power Adapter	AC Power Adapter 60W 12V/5A
Physical	Construction	Aluminum housing
	Mounting	Rack/VESA/DIN Rail/ Wall Mounting Kits (Optional)
	Dimensions (W x H x D)	198 x 42 x 144.8 mm (7.79" x 1.65" x 5.7")
Enviromental	Operating Temperature	-20~55°C (-4~131°F)
	Storage Temperature	-20~70°C (-4~158°F)
	Relative Humidity	5% to 95% (non-condensing)
	Vibration	IEC 60068-2-64, 0.5Grms, Random 5 ~500 Hz, 40 Mins/Axis
Regulation	EMC	CE/FCC

OPTIONAL MOUNTING KIT



DIMENSIONS



Fluidmesh Networks products are installed locally by professional System Integrators and are available worldwide through a network of Authorized Dealers. For additional information please call +1.617.209.6080 or visit us at fluidmesh.com

FLUIDMESH NETWORKS

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