



OneNet™

OneNet™ PROx

MESH WI-FI 6 Router

IONE-RUTOO1-EUPRX-OBM

Item 6037/6038

802.11ax WiFi 6 technology, delivering gigabit speeds and boosting network efficiency in dense environments four-fold compared with 802.11ac WiFi 5. WiFi 6 introduces significant benefits over WiFi 5, offering 40% higher peak data rates for a single client device, increased network efficiency and extended battery life for client devices. It introduces innovations such as OFDMA for serving multiple users with varying bandwidth needs simultaneously, target wake time. It also adds BSS colouring to reduce cochannel interferences, offer increased network capacity to support multiple users and better address high throughput applications such as gaming or online streaming.

The OneNet PROx router may be used as either a gateway router or a mesh node (Certified WiFi EasyMesh)™ so users can cover even more area with blazing-fast Wi-Fi 6 speeds. A single OneNet PROx router provides coverage for up to 300 square meters and is easy to extend using the Connect button to join additional OneNet PROx router devices and eliminate all dead zones.

Inverto's OneNet mobile App offers full network control right at your fingertips, even when away from home, allowing setting parental controls, performing speed tests and denying access to your network from unknown devices plus many more advanced functions, VPN, guest network, channel switching for you to get the most out of your Wi-Fi network.

Main Features:

- True dual-band multi-user (MU-MIMO) connections supporting both 2.4 GHz and 5 GHz bands delivering increased network capacity
- Easily setup, manage and diagnose your network anytime, anywhere using Inverto's OneNet mobile app
- Expendable MESH coverage offering blanket WiFi for homes and offices, WiFi EasyMESH™
- Support industry latest IPv6 networking and WPA3 128-bit encryption
- Carrier-grade remote device management
- 2 Gigabit Ethernet ports offering flexible in-home networking and wired mesh backhauling
- Efficient heat dissipation to maintain high-performance and device longevity
- Backward-compatibility supporting Wi-Fi 5 (802.11ac) and earlier versions
- Automatic firmware upgrades over-the-air ensuring your network is always up to date.



MUSA
DESIGN
AWARD

Consumer
Technology
Association

Smart Home Division
Mark of Excellence

2021 WINNER



DESIGN
AWARD
2021



reddot award
2021 winner



DESIGN
AWARD



Technical data

Antenna and WiFi Protocols

Frequency bands	2.4 GHz & 5 GHz
Antenna & Wireless	"High Performance WHEMS 2.4 GHz 2T x 2R (802.11 b/g/n/ax) 5.0 GHz 2T x 2R (802.11 a/n/ac/ax)"
Wireless rate	2.4G: 573 Mbps 2x2 5G: 1201 Mbps 2x2
Wireless channels	Auto/Manual channel selection Channel bandwidth 20/40/80 MHz
Dual frequency concurrency	Yes, true dual-band connection
Antenna gain	2.4G: 5.0 dBi, 5G: 5.0 dBi

Ports

WAN (router)	1000 Base-T Ethernet x1
LAN (router)	1000 Base-T Ethernet x2
Connect button	1 (add another OneNet PROx router in MESH)
Reset button	1
LED status	1 (Internet status & mesh status)

Hardware

CPU	Qualcomm Quad ARM Cortex A53 1.2 GHz
Flash	1 Gb
RAM	512 MB, DDR3

Networking software and protocols

WAN access mode	PPPoE / DHCP / static IP
STA access mode	DHCP / static IP
STA ACL	URL filter / mac filter / rate limit / time limit
App management	OneNet mobile app for iOS / Android
Web local management	http://onenet.inverto.tv
VPN client	PPTP / L2TP
DDNS	DynDNS / Oray
LAN DHCP setting	LAN IP / pool / lease
Static DHCP lease	MAC and IP binding
Port forwarding	Yes
DMZ	Yes
WAN MAC clone	Yes
Firewall	ICMP Smurf, IP Land, IP Spoof, IP Teardrop, Ping of Death, TCP Scan, TCP SYN with data, UDP Bomb, UDP Echo chargen
System log	Yes
Customized DNS	Yes
Management & Network diagnosis	Ping, Traceroute, Nslookup
Guest Wi-Fi	Yes
Bridge mode	Supported
Smart connect	2.4G/5G SSID separation

Power

Power adapter (router)	DC 12 V/1.5 A, 100 V ~ 240 V 50 Hz/60 Hz
------------------------	--

Certification	FCC, IC, CE
Environmental	
Operating Temperature	5 - 40°C
Storage Temperature	-10°C to 70°C
Dimensions	
Dimensions	52 mm x 139 mm x 206 mm
Weight	650 gr

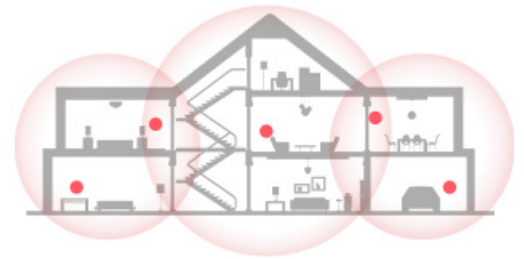
OneNet PROx™ MESH Wi-Fi open space coverage (sq. m)



300 m²
Coverage



500 m²
Coverage



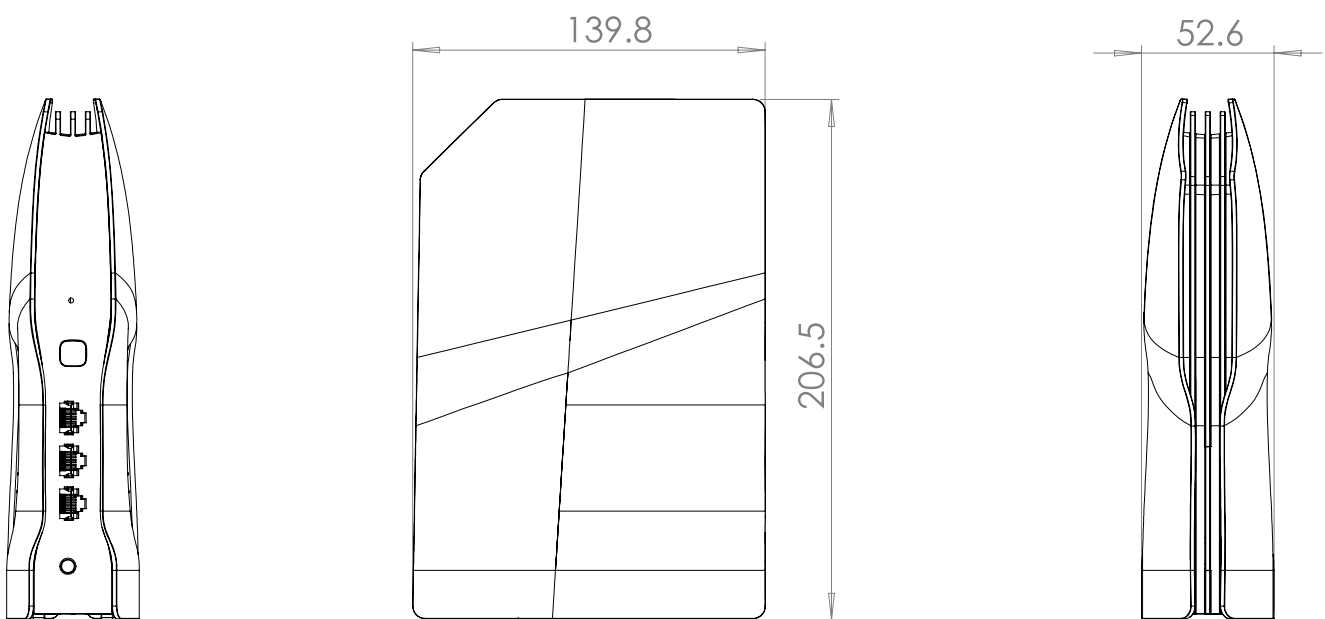
600 m²
Coverage



The OneNet™ app:



Dimensions:



For purpose of brevity, some product descriptions in this sheet remain at platform level and may not be referred to as detailed datasheets of the products. Inverto Digital Labs reserves the right to amend, omit or add products, product-lines, and / or features without notice.

For further details contact: sales@inverto.tv
 FTA Communication Technologies S.à r.l. Tel. +352 264 367 1 Fax. +352 264 313 68