



IgniteNet

Product Overview

2017

# MetroLinq



IgniteNet's MetroLinq 60 is the world's first cost-effective 60GHz PTP/PTMP radio enabling high performance, interference-free connections worldwide.



**High capacity  
(up to 2.5 Gbps)**



**Ideal for dense  
urban environments**



**Rapid and cost effective  
fiber network expansion**



**Support for PTP and PTMP  
scenarios**

The MetroLinq 60 has an added advantage of being license-free in most markets globally, allowing ultra-fast deployment and without the hassle of other frequency bands requiring a license. 60 GHz has 7 GHz of noise free spectrum to use and it is an ideal solution for both urban and suburban connectivity. Narrow beam antennas and excess signal radiation absorption by oxygen allows frequency re-use in dense urban environments. Extremely high capacity allows deploying hybrid fiber wireless

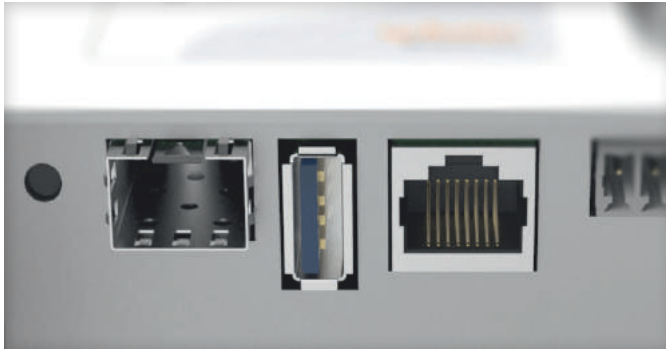
networks quickly and cost-effectively extending existing fiber networks with multi-gigabit capable MetroLinq products operating in both PtP (point-to-point) and PtMP (Point to Multi-point) scenarios. It comes in two different capacity versions capable of 1 Gbps and 2.5 Gbps throughput. There are multiple model options to choose from than can connect up to 1.5 km (1 mi) distances.

## MetroLinq 60

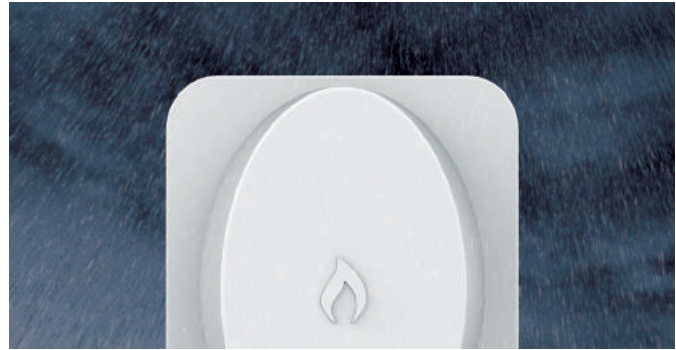
	ML 60-19	ML 60-35
Max throughput	1 Gbps	
60 GHz radio output power	14 dBm	
60 GHz antenna gain	36 dBi	42 dBi
Distance	Up to 1 km (0.62 mi)	up to 1500 m (0.93 mi)
Supported scenarios	PTP/PTMP (client)	PTP/PTMP (client)
Self-aiming antenna	No	No
Frequency range	57-64 GHz	
5 GHz backup	Yes	
2.4 and 5 GHz access radio	No	
Cloud based controller	Yes	
Dual FW image	Yes	
Power consumption	15 W	

## MetroLinq 2.5G 60 and MetroLinq 60 LW

	ML 2.5G 60-19	ML 2.5G 60-35	ML 2.5G BaseStation	ML LW
Max throughput	2.5 Gbps			1 Gbps
60 GHz radio output power	14 dBm			
60 GHz antenna gain	36 dBi	42 dBi	18 dBi beamforming	18 dBi (beamforming)
Distance	Up to 1 km (0.62 mi)	up to 1500 m (0.93 mi)	up to 1000 m (0.56 mi)	Up to 250 m (0.16 mi)
Supported scenarios	PTP/PTMP (client)	PTP/PTMP (client)	PTMP	PTP/PTMP
Self-aiming antenna	No			Yes
Frequency range	57-64 GHz			
5 GHz backup	Yes			No
2.4 and 5 GHz access radio	No			2.4 GHz only
Cloud based controller	Yes			
Dual FW image	Yes			
Power consumption	15 W			



The MetroLinq 2.5G has an additional SFP port and 2.5G Ethernet port.



The MetroLinq 60 also includes a second 5GHz radio which can be configured as an automatic backup/failover for robust operation in any climate or rain zone.

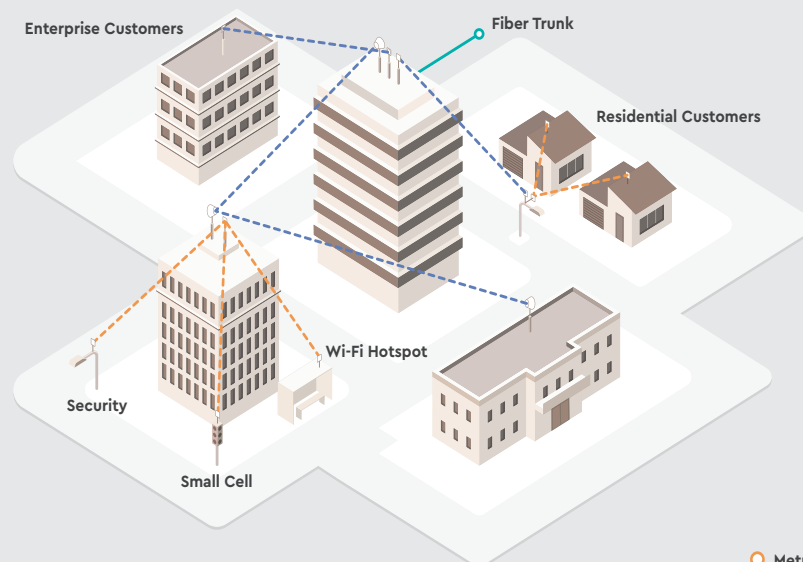


60 GHz PTP products have narrow beam antennas and alignment scope significantly reduces alignment time and simplifies aiming. It can be mounted on any MetroLinq product and can be re-used on multiple links.



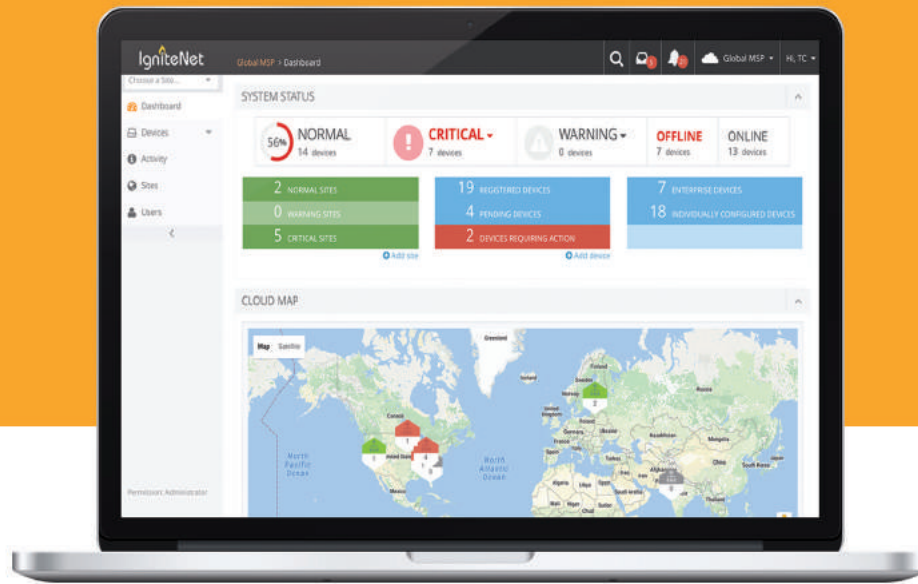
LinqAssist application is available for Android and iOS devices. It requires an external USB dongle to connect MetroLinq device to your phone via Bluetooth. It shows local and remote radio signal levels which is very handy when performing the alignment of your link.

## Typical applications



○ MetroLinq 60 PTMP ○ MetroLinq 60 PTP

# IgniteNet Cloud controller



The cloud controller from IgniteNet is a powerful and cost effective platform to monitor and manage multiple networks with 1000's of devices for only £80 per year. All of the IgniteNet products including MetroLinq, Wi-Fi, switches and some of the accessories can be managed via cloud which increases deployment speed, simplifies administration and gives a global visibility of multi-site networks from a single location. A free version of IgniteNet cloud is available for testing with up to 2 devices.



## Simple provisioning

It is very quick and easy to add new devices to your cloud controller. Connect your new access point to the internet, add its serial number to your cloud account and you are good to go.



## Flexible configuration

IgniteNet cloud controller allows configuring the devices on different levels by adjusting setting per device group an individually as well if some fine-tuning is needed.



## Extensive monitoring

Multi-level dashboards allow monitoring the status of your network (-s) at different levels. It can be monitored seeing multiple-sites of your network or you can drill down to a device level and see live statistical information or even client data with historical information.



## Quick troubleshooting

Receive alerts when something is going wrong on your network. Remote access to any location saves time and maintenance costs making our cloud controller a great tool for network administrators.



## Very affordable

The IgniteNet Core Cloud plan is available at a flat price of only £80/year for unlimited licenses. This is the lowest cost option on the market! Two trial device licenses per cloud are always free.



## No maintenance

We handle all server maintenance, failover, and backups for you. You never have to touch any hardware nor install any software packages.

## 100% cloud managed Wi-Fi

IgniteNet Wi-Fi product line has a wide range portfolio for both outdoor and indoor access applications from a small residential installation to a large enterprise level hotspot deployment requiring multi-gigabit capacity and flexible management platform.

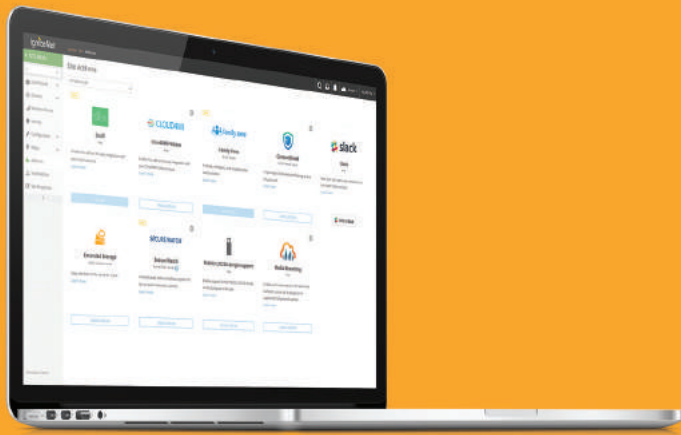


### Outdoor AP's

	SkyFire AC866	SkyFire AC866-1	SkyFire AC1200	SkyFire AC1200-1	SkyFire AC1200-2	Spark Wave2 AC1200
<b>2 GHz radio</b>	N/A		802.11 b/g/n 30 dBm, 2x2 MiMo 300 Mbps			802.11 b/g/n 24 dBm, 2x2 MiMo 300 Mbps
<b>5 GHz radio</b>	802.11 a/n/ac, 28 dBm, 2x2 MiMo 866 Mbps					802.11 a/n/ac/ac, wave2 22 dBm, 2x2 MiMo 866 Mbps
<b>Antenna</b>	5 GHz - 18 dBi directional	5 GHz - 2 x RPSMA connectors	2.4 GHz - 2 x RPSMA connectors 5 GHz - 18 dBi directional antenna	2.4 GHz - 2 x RPSMA connectors 5 GHz - 2 x RPSMA connectors	2.4 GHz - 7 dBi directional antenna 5 GHz - 18 dBi directional antenna	2.4 GHz - 5 dBi omni 5 GHz - 7 dBi omni
<b>Ports</b>	1 x 1000 Base-T, 1 x 100 Base-T, 1 x USB 2.0					2 x 1000 Base-T, 1 x USB 2.0
<b>PoE</b>	24V Passive PoE					802.3af
<b>Mounting</b>	Pole					Wall, pole

### Indoor AP's

	SunSpot N300	SunSpot AC1200	Gateway AC1200	Spark N300	Spark AC750	Spark AC750 (AF)	Spark Wave2 AC1200
<b>2 GHz radio</b>	802.11 b/g/n		802.11 b/g/n, 23 dBm, 2x2 MiMo 300 Mbps	802.11 b/g/n		802.11 b/g/n, 24 dBm, 2x2 MiMo 300 Mbps	
<b>5 GHz radio</b>	N/A	802.11 a/n/ac, 28 dBm, 2x2 MiMo 866 Mbps	802.11 a/n/ac, 23 dBm, 2x2 MiMo 866 Mbps	N/A	802.11 a/n/ac		802.11 a/n/ac/ac, wave2 22 dBm, 2x2 MiMo 866 Mbps
<b>Antenna</b>	5/5 dBi omni		4/5 dBi omni	5/5 dBi omni			5/7 dBi omni
<b>Ports</b>	1 x 1000 Base-T, 2 x 100 Base-T, 1 x USB 2.0	5 x 1000 Base-T, 1 x USB 2.0	1 x 1000 Base-T, 2 x 100 Base-T, 1 x USB 2.0				2 x 1000 Base-T, 1 x USB 2.0
<b>PoE</b>	802.3at		No PoE, DC only	Passive PoE		802.3af	
<b>Mounting</b>	Wall, ceiling, desktop		Wall, desktop	Wall, ceiling, desktop			



## App marketplace for service providers

IgniteNet provides the world's first app-enabled platform for managed Wi-Fi. A variety of applications and services are available for different types of customers that not only extend the offering, but also bring additional revenue streams for the service providers. All applications can be enabled via IgniteNet Cloud controller which makes it very convenient for multi-site management and administration.

## Cloud managed switches

IgniteNet offers managed switches for access and aggregation. Current products come with PoE and SFP interfaces. The FusionSwitches are packed with features that bring high availability, comprehensive security, robust multicast control, and advance QoS to the network edge, while maintaining simple management.



	FusionSwitch PoE 8	FusionSwitch PoE 24	FusionSwitch Fiber
<b>Gigabit RJ-45 ports</b>	8 x 10/100/1000 PoE	24 x 10/100/1000 PoE	10/100/1000 combo
<b>SFP ports</b>	2 x Gigabit uplink	-	20 x 100/1000
<b>SFP+ ports</b>	-	4 x 10 Gigabit uplink	
<b>Switching capacity</b>	20 Gbps	128 Gbps	
<b>Forwarding rate</b>	14.9 Mpps	95 Mpps	



Ignitenet UK distributor

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