

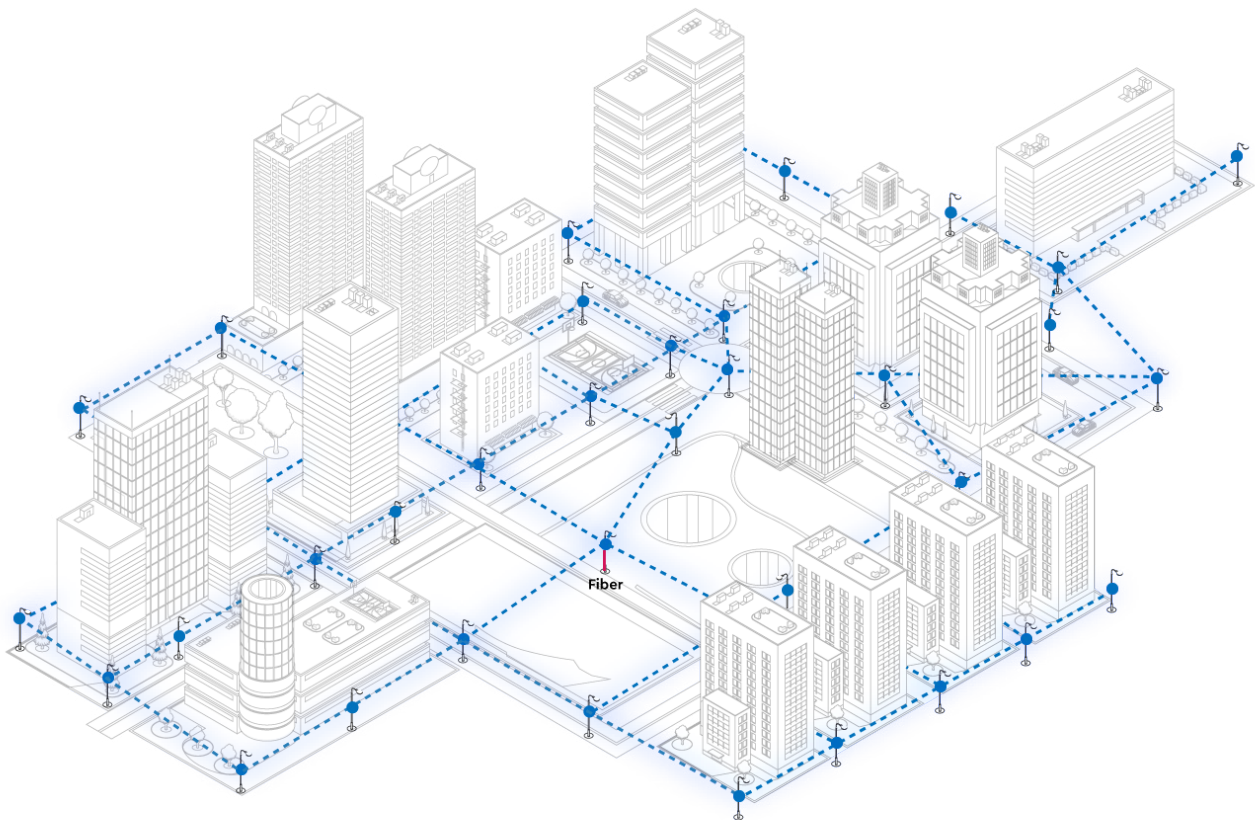
# MLTG-360

## TERRAGRAPH DISTRIBUTION NODE

### INTRODUCTION

MLTG-360 is a Terragraph™ certified distribution node (DN). MLTG-360 has 4 radios, supporting 360° coverage. Each radio of MLTG-360 equipped with a 256-element beamforming phased array antenna, supporting up to 1.8 Gbps bi-directional throughput. In addition, MLTG-360 supports advanced mesh solution to establish a robust wireless network. Resilient mesh can be easily constructed between multiple MLTG-360 to construct the wireless network with high availability.

MLTG-360 provides fiber-like connectivity at a lower cost than fiber which is ideal for fixed wireless access, backhaul of Wi-Fi, or cellular networks.



● MLTG-360 Distribution Nodes

## SPECIFICATIONS

PHYSICAL	
60GHz Radio	<ul style="list-style-type: none"> <li>4 x antenna tiles per radio</li> <li>64 antenna elements for each antenna tile</li> <li>90 degrees azimuth scan range: -45° to 45°</li> <li>50 degrees elevation scan range: -25° to 25°</li> </ul>
Interfaces	<ul style="list-style-type: none"> <li>1x Gigabit Ethernet Port (PoE IN)</li> <li>1x 10 Gigabit SFP+ port</li> <li>4x Gigabit Ethernet Port (PoE OUT)</li> <li>4x 60GHz Radio</li> </ul>
Environmental Conditions	<ul style="list-style-type: none"> <li>Operating Temperature: -20°C (-4°F) to 55°C (131°F)</li> <li>IP66 Rating</li> </ul>
Power	<ul style="list-style-type: none"> <li>Passive PoE (Injector Optional)</li> <li>42.5V~59V DC terminal block</li> </ul>
Dimensions (L x W x H)	<ul style="list-style-type: none"> <li>19.9 x 19.9 x 20.0 cm (7.83 x 7.83 x 7.87 in)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>3.9 kg (8.60 lbs) (with mount)</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>FCC/CE</li> </ul>

PERFORMANCE	
Range	<ul style="list-style-type: none"> <li>Up to 200m for MCS12</li> <li>Up to 250m for MCS9</li> </ul>
RF Performance (TX)	<ul style="list-style-type: none"> <li>EIRP 44dBm for each radio</li> </ul>
RF Performance (RX)	<ul style="list-style-type: none"> <li>-88 dBm @ MCS9</li> <li>-78 dBm @ MCS12</li> </ul>

KEY FEATURES	
Support channel 1 to channel 4 (57-66GHz)	
Up to 1.8 Gbps throughput in both direction for each radio	
Beam forming technology with phased array antenna for easy alignment	
Support TDMA-MAC for dynamic bandwidth allocation	
Support Over-the-Air (OTA) Security with AES128 encryption	
Mesh network with IPv6 routing	
Support IEEE 1588v2 timing synchronization	
Support QoS with 4 service classes	
Support VLAN tagging and QinQ	
Less than 800 microseconds latency per hop for a point-to-point link	
Self-recovery & optimization	

## ORDERING INFORMATION

PART NUMBER	DESCRIPTION
MLTG-360	<ul style="list-style-type: none"> <li>Terragraph DN with 4 radios, 360° coverage</li> </ul>
MLTG-360-3	<ul style="list-style-type: none"> <li>Terragraph DN with 3 radios, 270° coverage</li> </ul>
MLTG-360-2	<ul style="list-style-type: none"> <li>Terragraph DN with 2 radios, 180° coverage</li> </ul>
MLTG-360-1	<ul style="list-style-type: none"> <li>Terragraph DN with 1 radio, 90° coverage</li> </ul>

## ACCESSORY

PART NUMBER	DESCRIPTION
J-Bracket	<ul style="list-style-type: none"> <li>MLTG-360 Bracket, Pole mount</li> </ul>
PoE Injector	<ul style="list-style-type: none"> <li>90W PoE Injector</li> </ul>