

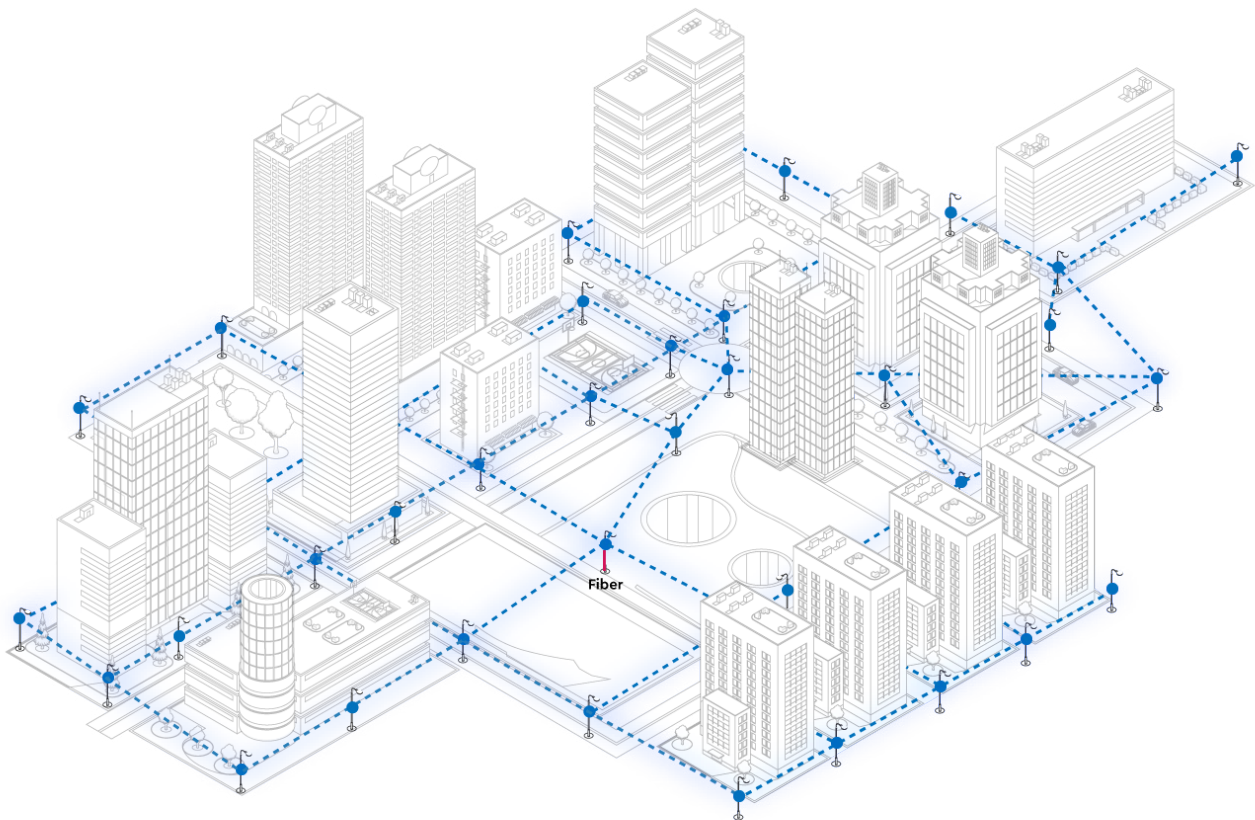
MLTG-360 (TH)

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

PERFORMANCE	
Range	<ul style="list-style-type: none"> Up to 200m for MCS12 Up to 250m for MCS9
RF Performance (TX)	<ul style="list-style-type: none"> EIRP 40dBm for each radio
RF Performance (RX)	<ul style="list-style-type: none"> -88 dBm @ MCS9 -78 dBm @ MCS12

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	POWER CONSUMPTION
MLTG-360	<ul style="list-style-type: none"> Terragraph DN with 4 radios, 360° coverage 	<ul style="list-style-type: none"> 75W max.
MLTG-360-3	<ul style="list-style-type: none"> Terragraph DN with 3 radios, 270° coverage 	<ul style="list-style-type: none"> 60W max.
MLTG-360-2	<ul style="list-style-type: none"> Terragraph DN with 2 radios, 180° coverage 	<ul style="list-style-type: none"> 45W max.
MLTG-360-1	<ul style="list-style-type: none"> Terragraph DN with 1 radio, 90° coverage 	<ul style="list-style-type: none"> 30W max.

ACCESSORY

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