

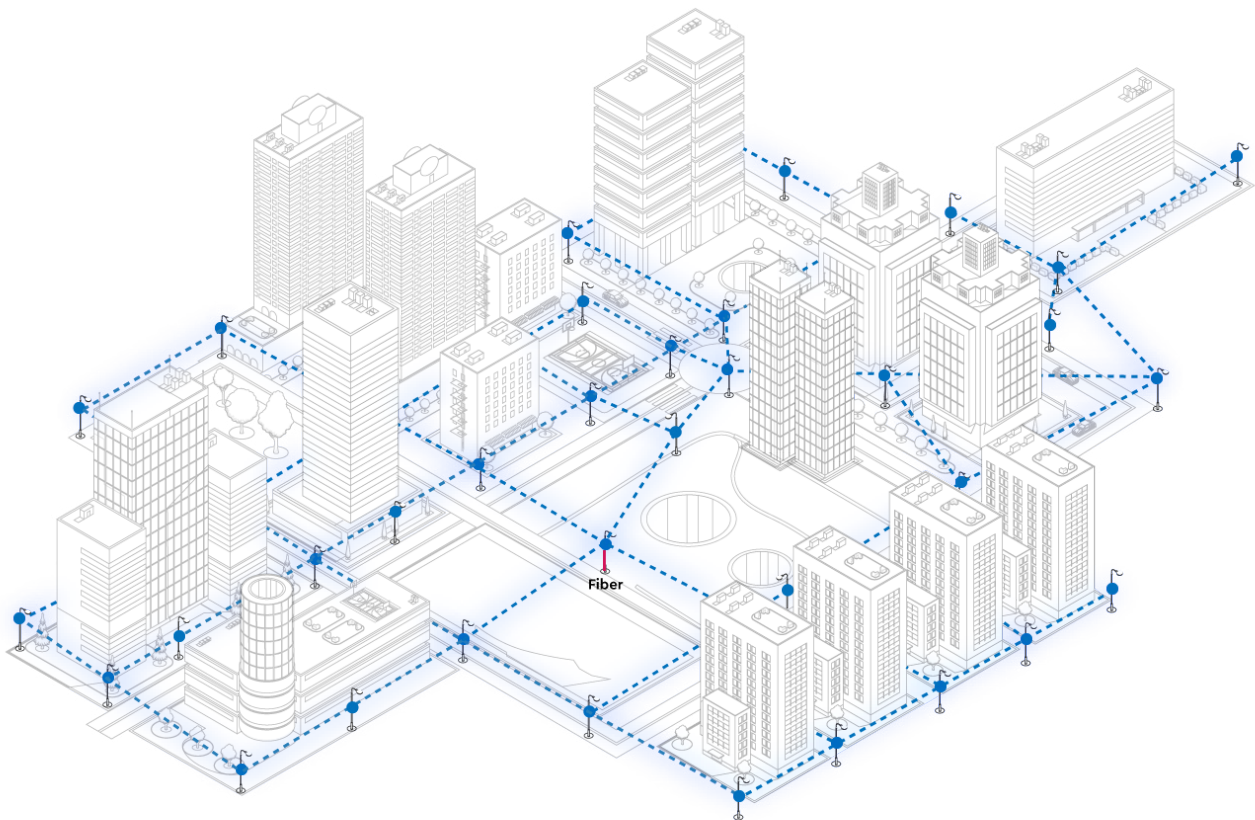
MLTG-360

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"> 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)*1 4x 60GHz Radio
Environmental Conditions	<ul style="list-style-type: none"> Operating Temperature: -20°C (-4°F) to 55°C (131°F) Storage Temperature: -40°C (-40°F) to 85°C (185°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
Weight	<ul style="list-style-type: none"> 3.9 kg (with mount)
Certifications	<ul style="list-style-type: none"> FCC/CE

PERFORMANCE

Range	<ul style="list-style-type: none"> Up to 300m for MCS9 Up to 200m for MCS12
RF Performance (TX)	<ul style="list-style-type: none"> EIRP 50dBm for each radio*2
RF Performance (RX)	<ul style="list-style-type: none"> -66 dBm @ MCS9 -61 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 QoS with 4 service classes
Self-recovery & optimization

*1: Only DC-in power supply can enable PoE out function

*2: Transmit power is limited by local regulatory requirements

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-360-2P	<ul style="list-style-type: none"> Terragraph DN with 2 radios (in parallel), 180° coverage 	<ul style="list-style-type: none"> 45W max.
MLTG-360-2R	<ul style="list-style-type: none"> Terragraph DN with 2 radios (at right angle), 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* 60W PoE Injector

*: Required by MLTG-360