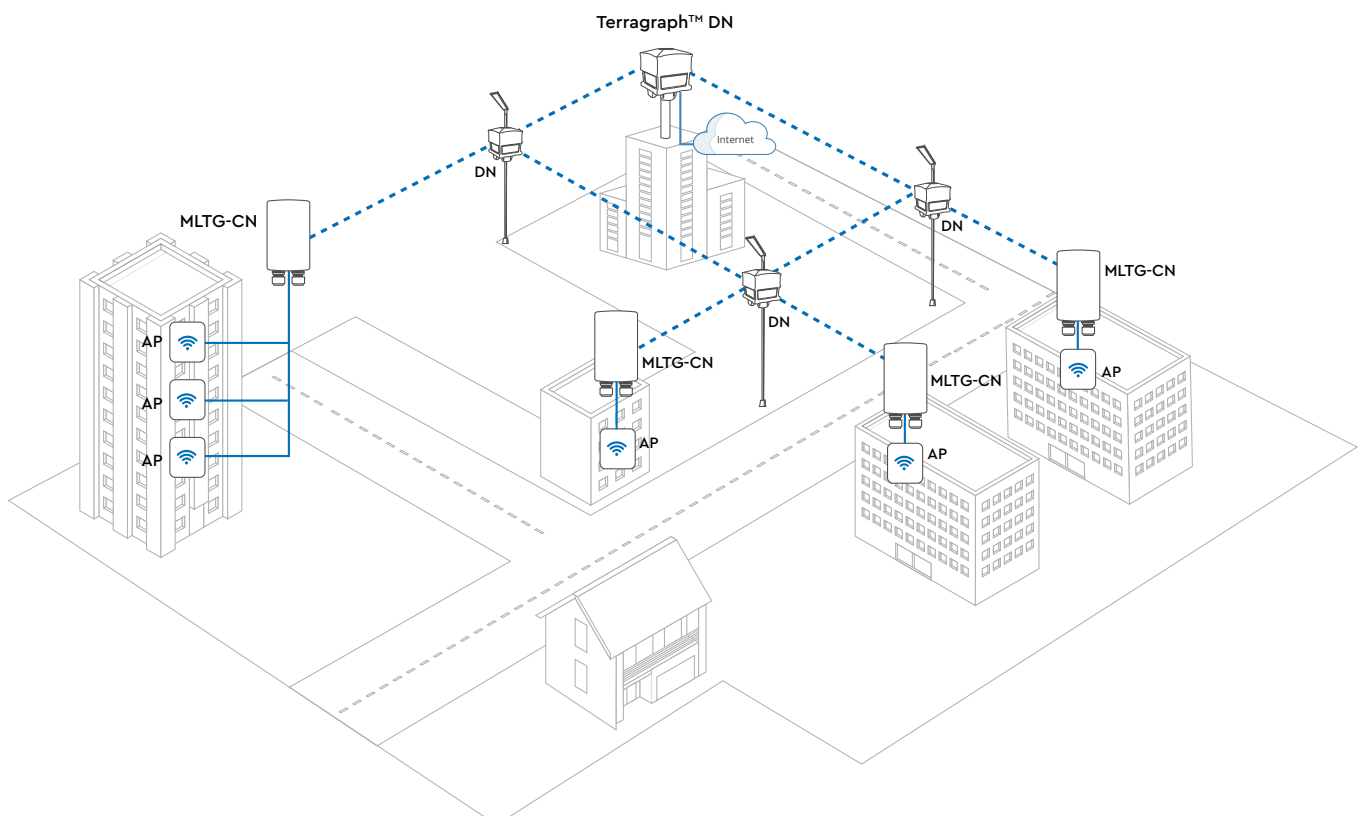# MLTG-CN
TERRAGRAPH CLIENT NODE

INTRODUCTION

MLTG-CN is a Terragraph[TM] certified client node (CN). MLTG-CN supports IEEE802.11ay standard to deliver high-speed Internet in a noise-free and unlicensed 60GHz spectrum. When connected with Terragraph[TM] certified distribution node (DN), MLTG-CN can function as Customer Premise Equipment (CPE) to provide last mile wireless gigabit connectivity to the client site, such as warehouse, company building, or residential area.

MLTG-CN can also be paired to deliver Point-to-Point (PtP) wireless gigabit throughput for backhaul or last mile access without the costly installation of cabled fiber.

SPECIFICATIONS

PHYSICAL

60GHz Radio	• Phased array antenna with 64 antenna elements • 90 degrees azimuth scan range: -45° to 45° • 50 degrees elevation scan range: -25° to 25°
Interfaces	• 1x Gigabit Ethernet Port (PoE IN) • 1x Gigabit Ethernet Port • 1x 60GHz Radio
Environmental Conditions	• Operating Temperature: -20°C (-4°F) to 55°C (131°F) • Storage Temperature: -20°C (-4°F) to 70°C (158°F) • IP66 Rating
Power	• 48~55V passive Gigabit PoE
Power Consumption	• 15W max.
Dimensions (L x W x H)	• 17.7 x 10.6 x 4.3 cm (6.9 x 4.2 x 1.7 in)
Weight	• 1.1 kg (2.4 lb)
Certifications	• FCC/CE

PERFORMANCE

Range	When connected to Edgecore MLTG-360 Terragraph Certified DN, the MLTG-CN supports: • Up to 100m (0.06 mi) for MCS12 • Up to 150m (0.09 mi) for MCS9

KEY FEATURES

Support channel 1 to channel 4 (57-66GHz)

Up to 1 Gbps wireless throughput in both direction

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

Support QoS with 4 service classes

Support VLAN tagging

Support Layer 2 Forwarding

Support NAT

IPv6 tunneling

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