DKT wifi-mesh IPLoA family

■ Product Overview

The DKT IPLoA product family is composed of 3 distinct products designed to extend network connectivity at home using Wi-Fi and/or G.hn (wave 2) technology. G.hn is a technology based on ITU-T G.9960 and G.9961 standards that provides high-speed connectivity over different types of home wiring (e.g., coaxial cable and power line).

■ Key Features

IPLoA-MESH-AC-W

- DKT item 47510: Wi-Fi mesh extender 2x2 MU-MIMO wave 2
- USB power supply (desktop/wall-mount indoor access point)
- 2.4GHz 802.11b/g/n and 5GHz 802.11a/n/ac
- 2 x 1GE RJ45 LAN
- Integrated with mobile management application

IPLoA-MESH-MoCA-W

- DKT item 47511: integrated Wi-Fi mesh extender 2x2 with MoCA 2.0 (bonded channels), MIMO wave 2 over Coax (incl. 1 x coaxial cable F-connector)
- 2.4GHz 802.11b/g/n and 5GHz 802.11a/n/ac
- 1 x 1GE RJ45 LAN
- Advanced path selection algorithm over multiple medias (future)
- Integrated with mobile management application

IPLoA-MESH-PLC-W
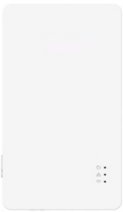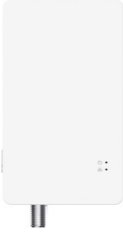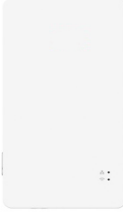
- DKT item 47512: integrated Wi-Fi mesh extender 2x2 with
  G.hn MU-MIMO wave 2 over powerline
- 2.4GHz 802.11b/g/n and 5GHz 802.11a/n/ac
- 1 x 1GE RJ45 LAN
- Advanced path selection algorithm over multiple medias (future)
- Integrated with mobile management application

Mobile Management Application

- Configuration tool to monitor and manage devices
- Troubleshooting and diagnostic tool to perform speed test, Wi-Fi neighbour scan, and analysis
- Android and iOS support

DKTCOMEGA

■ Specifications

		IPLoA Family	
View	DKT: 47510 (incl. wall-mount)		IPLoA-MESH-AC-W: Wi-Fi mesh unit with 2x 1GbE RJ-45
	DKT: 47511		IPLoA-MESH-MoCA-W: Wi-Fi mesh unit with 1x 1GbE RJ-45, MoCA 2.0 (bonded)
	DKT: 47512		IPLoA-MESH-PLC-W: Wi-Fi mesh unit with 1x 1GbE RJ-45, g.hn via Power Line Communication
Size	Dimensions	120mm*65mm*42mm (22mm for 47510)	
	Weight	400g (200g for 47510)	
Reliability	MTBF	Telcordia SR-332, Reliability Prediction Procedures for Electronic Equipment, Issue 3, Method 1, Case 3, GB/GC (Ground Benign, Controlled) environment, 25ºC ambient temperature	
	AFR	AFR (Annualized Failure Rate) < 1.5% (in continuous operation)	
Safety	Safety	✧ NRTL Listed 60950 (US & CA) ✧ IEC/EN 60950-1 ✧ UL2043 (Plenum rating) ✧ CCC	
	Power Supply	47510/47511: USB-C 5V adapter, 47512: 100~240VAC	
Environment	Temperature & humidity	✧ Operating: -5°C ~ +45°C & 5% to 95% non-condensing humidity ✧ Storage: -20°C to +85°C	
	Dustproof & waterproof	IP20	