

# DKT WIFI-MESH IPLOA FAMILY

**ADVANCED WIFI MESH** | Various configurations



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Version 1.0




# DATASHEET

## INTRODUCTION

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).

### 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

Product	Key Features	Item Nr.
<b>IPLoA-MESH-AC-W</b> 	<b>IPLoA-MESH-AC-W: Wi-Fi mesh unit with 2x 1GbE RJ-45</b> DKT item 47510: Wi-Fi mesh extender 2x2 MU-MIMO wave 2 USB power supply (desktop/wall-mount indoor accesspoint) 2.4GHz 802.11b/g/n and 5GHz 802.11a/n/ac 2 x 1GE RJ45 LAN Integrated with mobile management application	<b>47513</b>
<b>IPLoA-MESH-MoCA-W</b> 	<b>IPLoA-MESH-MoCA-W: Wi-Fi mesh unit with 1x 1GbE RJ-45, MoCA 2.0 (bonded)</b> 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	<b>47511</b>
<b>IPLoA-MESH-PLC-W</b> 	<b>IPLoA-MESH-PLC-W: Wi-Fi mesh unit with 1x 1GbE RJ-45, g.hn via Power Line Communication</b> 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	<b>47512</b>

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Parameter	47510	47511	47512
<b>Dimensions [mm]</b>	120 x 65 x 22	120 x 65 x 42	
<b>Weight [g]</b>	200	400	
<b>MTBF</b>	Telcordia SR-3 32, Reliability Prediction Procedures for Electronic Equipment, Issue 3, Method 1, Case 3, GB/GC (Ground Benign, Controlled) environment, 25 °C ambient temperature		
<b>AFR</b>	AFR (Annualized Failure Rate) < 1.5 % (in continuous operation)		
<b>Safety</b>	NRTL Listed 60950 (US & CA) IEC/EN 60950-1 UL2043 (Plenum rating) CCC		
<b>Power Supply</b>	USB-C 5V adapter		100-240VAC
<b>Temperature &amp; humidity</b>	<b>Operating</b>	-5 °C ~ +45 °C & 5 % to 95 % non-condensing humidity	
	<b>Storage</b>	-20 °C to +85 °C	
<b>Dustproof &amp; waterproof</b>	IP20		