



# D-Link AI Mesh Series

Features and Compatibility

**D-Link**

# MESH Features

D-Link EasyMesh composed of following functionality

## **EasyMesh R2**

The basis of D-Link EasyMesh.

## **Mesh Role Installation and Configurations Synchronization**

Out-of-box Master / Slave role decision on installation and Mesh Extender's Wi-Fi & reboot scheduling / LED enable settings.

## **Mesh Discovery, Topology and Loop Detection/Prevention**

D-Link mesh device discovery and topology loop-free maintain. Which was not included in EasyMesh R2 Standard.

## **Client Roaming**

Guide clients roam to a new AP that can provide better service.

## **Stats and Analytics**

Collect stats and keep optimize mesh topology, and provide good UX.

## **Central Firmware Upgrade**

Allow Master to control firmware upgrade timing of whole D-Link EasyMesh network.

# Form Mesh Network

- 1<sup>st</sup> Gen is RTL Mesh agent with binary code only.
- 2<sup>nd</sup> Gen is MTK/Airoha Mesh agent with binary code only.
- 3<sup>rd</sup> Gen is licensed from IC vendor and it will be D-Link generic Mesh agent.

1 <sup>st</sup> Gen	2 <sup>nd</sup> Gen	3 <sup>rd</sup> Gen
R15	R18	M30
M15	R32	M60
E15 (Slave Only)	M18	E30 (Slave Only)
G415 (Master Only)	M32	G530 (Master Only)
G416 (Master Only)	E32 (Slave Only)	G560 (Master Only)

# Capability 1 – For the same Generation

The **Same Generation** Mesh **Must** satisfy below conditions

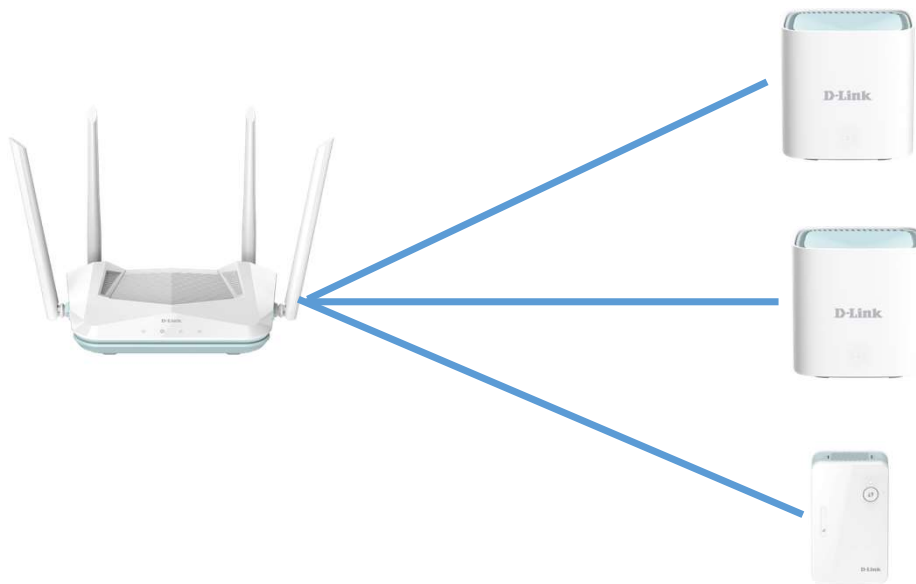
- Support **1 Controller + 3 agents**
- Support **Star** and **Daisy chain** with maximum 2 hops.
- At least **7days stability** network without disconnecting
- Must recovery the dropped connection.



## Capability 2 – For Different Generation

The **Different Generation** Mesh **Must** Satisfy below conditions

- Support **1 Controller + 3 agents**
- Support Recommend **Star** topology



# Policy of Mesh Topology

- Mesh controller
  - ✓ The priority to be mesh controller
    - Generation
      - 3<sup>rd</sup> Gen is a new generation and not support to mesh together with 2<sup>nd</sup> Gen and 1<sup>st</sup> Gen
      - The priority 2<sup>nd</sup> Gen > 1<sup>st</sup> Gen
    - Antenna amount
      - 4x4 device > 2x2 device.
- Mesh Agent
  - ✓ Recommend Star topology under mixed generation mesh.

# Mesh Compatibility List

Code	Description
1	Capability 1
2	Capability 2
N/A	Not Support

Mesh Agent Mesh Controller		1st Gen			2nd Gen				3rd Gen		
		R15	M15	E15	R32	M32	R18	M18	M60	M30	E30
1st Gen	R15	1	1	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	M15	1	1	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	G415	1	1	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	G416	1	1	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2nd Gen	R32	2	2	2	1	1	1	1	N/A	N/A	N/A
	M32	2	2	2	1	1	1	1	N/A	N/A	N/A
	R18	2	2	2	1	1	1	1	N/A	N/A	N/A
	M18	2	2	2	1	1	1	1	N/A	N/A	N/A
3rd Gen	M60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	1	1
	M30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	1	1
	G530	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	1	1
	G560	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	1	1



— THANK YOU —

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