



# Straight Forward Technology

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🏢 Straight Forward Group Pty Ltd: ABN 78643385184.

## WiFi Mesh System - Indoor & Outdoor Access Points

Client

**Danielle Fergus**

Location

4 Relph Avenue, Portsea, VIC 3944

**ACCEPTED**

06/01/2026 by Shanon Newson

**Quote**

Job Number

**JN3812**

Expiry: March 5, 2026

PDF created: 24/06/2026 9:19 AM

### QUOTE SUMMARY

*Supply and install WiFi mesh system with three TP-Link WiFi 6 access points for full property coverage. Two outdoor EAP610-Outdoor units (WAP 1 on existing Starlink roof mount, WAP 2 on bungalow exterior wall) plus one internal EAP653 ceiling-mount unit for comprehensive indoor coverage. PoE switch provides centralised power and connectivity.*

LABOUR

**\$1,408**

MATERIALS

**\$1,155**

OPTIONAL EXTRAS

**\$0**

TOTAL

**\$2,563**

### ACCEPTANCE

Quote accepted by Shanon Newson on January 6, 2026 12:55 PM



## QUOTE DETAILS

### ? QUOTE UPDATED – 5 January 2025

Following discussion with customer, the Starlink router's WiFi signal does not adequately cover beyond the lounge room. This updated quote adds an internal ceiling-mounted access point to provide strong WiFi coverage throughout the main house, plus a PoE switch to power all three access points from a central location.

### WAP 1 – Main House (Roof)

The primary outdoor access point is to be mounted on the existing Starlink roof mount using stainless steel mounting hardware. Cat6 cabling is already in place from the recent Starlink installation, running from the roof mount down through the ceiling void to the network equipment location. The existing cable is to be terminated with a weatherproof RJ45 connector at the access point end, and a standard RJ45 patch into the PoE switch at the network end. All cable entries are to be sealed with weatherproof glands to maintain IP67 integrity.

### WAP 2 – Bungalow (External Wall)

The secondary outdoor access point is to be wall-mounted on the exterior of the bungalow using the included mounting bracket, positioned adjacent to the outdoor powerpoint. This unit operates on **wireless mesh backhaul** to WAP 1, eliminating the need to run network cabling between buildings. The PoE power adapter is to be connected to the outdoor powerpoint and housed inside a weatherproof junction box with cable glands for protection from the elements. Power cable is to be neatly routed and secured with UV-resistant cable clips.

### WAP 3 – Main House (Internal Ceiling Mount)

A TP-Link EAP653 long-range ceiling-mounted WiFi 6 access point is to be installed inside the main house to provide strong internal WiFi coverage. The unit is to be positioned centrally for optimal coverage throughout living areas. Cat6 cable is to be run from the PoE switch location through the ceiling void to the access point mounting position. The cable is to be terminated with RJ45 connectors at both ends and tested for continuity. The access point mounts flush to the ceiling with a clean, unobtrusive appearance.

### PoE Switch Installation

A PoE switch is to be installed at the network equipment location to provide power and data to all three access points from a central location. The switch connects to the Starlink router via Ethernet and distributes network connectivity to WAP 1 (via existing Cat6 run) and WAP 3 (via new Cat6 run). WAP 2 receives power locally and connects via wireless mesh backhaul.

### Cable Management

All visible cabling is to be secured with colour-matched UV-resistant cable clips at regular intervals. Cable entries through walls or mounting surfaces are to be sealed with appropriate weatherproof compounds. Internal cabling is to be concealed within ceiling voids where possible. The installation is to present a neat, professional finish with no loose or exposed cabling.

### Network Configuration – Omada Essentials



All three access points are to be adopted into the **TP-Link Omada Essentials** cloud management platform. Configuration includes setting up the primary WiFi network with the customer's preferred network name and password, enabling **seamless mesh roaming** between all three access points, and optimising channel selection for best performance. The customer will receive access to the Omada app for basic network monitoring and guest network management. Band steering is to be enabled to encourage capable devices onto the faster 5GHz band.

## EAP610-Outdoor (Roof & Bungalow)



## EAP653 (Internal Ceiling Mount)



## MATERIALS

- 2 x [TP-Link EAP610-Outdoor AX1800 Wi-Fi 6 Outdoor Access Point](#) – IP67 weatherproof, dual-band WiFi 6, PoE+ powered, Omada mesh support
- 1 x [TP-Link Omada EAP653 AX3000 WiFi 6 Ceiling Mount Access Point](#) – internal long-range unit, 160MHz channels, PoE+ powered, Omada mesh support
- 1 x PoE switch – to power all access points from central location
- 1 x Weatherproof outdoor junction box – to house PoE adapter at bungalow location
- Cat6 cable and terminations for internal ceiling-mount access point

## ASSUMPTIONS



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- WiFi range from the proposed access point positions will provide adequate coverage to all required areas.
- All access points will be tested in position before permanent mounting or cable runs are completed.



## IMAGE GALLERY



*TP-Link EAP610-Outdoor - Front View*



*TP-Link EAP610-Outdoor - Rear View*



*TP-Link EAP610-Outdoor - Side View*



*TP-Link Omada EAP653 - Front View*



*TP-Link Omada EAP653 - Angle View*



*TP-Link Omada EAP653 - Side Profile*



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*TP-Link Omada EAP653 - Top View*