

Task 8 Justification Template

Use this template to organise your Task 8 written response.

1. Property Source Record

Item	Details
Listing title or short description	
Suburb	
realestate.com.au URL	
Date accessed	
Floorplan scale or assumption	

Do not publish the real estate floorplan or address outside the assessment submission.

2. Property Requirements

The selected property needs:

- _____
- _____
- _____
- _____

Important rooms or zones that affect the design:

- _____
- _____
- _____

The most important constraints or risks are:

- _____
- _____

3. UniFi Design Evidence

Insert screenshots or exports showing:

- [] imported or recreated floorplan
- [] device placement
- [] coverage or heatmap evidence
- [] network core location
- [] access point locations
- [] device list or labels

4. Recommended Network Type And Topology

I recommend a _____ network because:

The WAN/internet connection is shown by:

I recommend a star topology because:

5. Logical Topology

Show or describe the logical connection order.

Example structure:

Internet/WAN -> modem/ONT -> gateway/router/firewall -> PoE switch -> access points and wired devices

My topology:

6. Hardware Recommendations

Hardware	Included?	Function	Reason it suits the selected property
Modem/ONT			
Gateway/router			
Firewall/security gateway			
Switch or PoE switch			
Wireless access point/s			
NIC			
Bridge or mesh link if used			
Other device			

7. Transmission Media

Connection	Recommended medium	Reason
ISP/WAN connection		
Gateway to switch		
Switch to access points		
Home office device		
TV/media/gaming area		
Cameras or doorbell		
Mobile devices		

8. Client-Server Or Peer-To-Peer

For cloud services, email, smart home control or home office data, I recommend:

This is suitable because:

Peer-to-peer is suitable or limited because:

9. Email Protocols

Protocol	Role	How it applies in this scenario
SMTP		
IMAP		
POP3		

10. Security And Malware Response

Risk or need	Recommended protection	Justification
Wi-Fi access		
Guest devices		
IoT or smart home devices		
Cameras or doorbell		
Home office data		
Malware		

11. Final Justification

My final design is suitable because:

The strongest design choices are:

1. _____
2. _____
3. _____

12. Limitations And Future Improvements

Limitations or assumptions:

- _____
- _____

Future improvements:

- _____
- _____