



Seamless Global Networking for National Lintels with Omada by TP-Link



 Hope Valley, WA

National Lintels, a leading Western Australian steel fabricator and supplier, needed a high-performance, secure, and scalable Network Solution to connect its operations in Perth with a newly established office in Malaysia. Partnering with long-time IT provider Tang Technology, the company deployed a TP-Link Omada Cloud-Managed Solution to seamlessly integrate both sites, improving productivity and operational continuity across borders.

Challenges

As customer demand increased, National Lintels faced a growing skills shortage in Western Australia's competitive technical labour market. To maintain service quality and project timelines, the company needed to expand its operations overseas while maintaining seamless collaboration between teams.

Key challenges included:

- Establishing a reliable, high-speed connection between Perth and Kuching for voice, data, and video communication.
- Ensuring Secure, Cloud-Managed Networking across two international sites.
- Avoiding the need to send Engineering staff overseas for setup and configuration.
- Delivering a zero-downtime transition to the new office within a strict three-week timeframe.
- Achieving Enterprise-level performance while remaining cost-effective.

TP-Link Solution & Implementation

Tang Technology, a trusted TP-Link partner and IT Solutions provider for over 15 years, recommended the TP-Link Omada SDN Platform. The Solution offered Centralised Cloud Management, Scalability, and the ability to configure and test all hardware in Perth prior to shipping—simplifying international Deployment.

Solution Highlights

- **Cloud-Managed Networking:** Omada Controller with cloud access enabled both sites to operate as one Integrated Network, providing Unified management for all Routers, Switches, and Access Points.
- **Seamless Remote Deployment:** All Network equipment was pre-configured and soak-tested in Perth. Upon connection in Malaysia, devices automatically reached out to the Omada Cloud Controller, retrieved configurations, and became operational within minutes—no on-site engineer required.
- **Secure Multi-Site VPN:** TP-Link Omada VPN Routers provided an encrypted, high-speed link between the Perth head office and Kuching office, ensuring secure data transmission and business continuity.
- **Enterprise-Grade Reliability:** Omada's built-in redundancy and Centralised Cloud Management monitoring enabled uninterrupted operations, even across international boundaries.

Implementation Support

Tang Technology managed the project end-to-end, from Solution design and product configuration to deployment and post-implementation support. TP-Link's robust product documentation and Omada's intuitive management interface allowed for a rapid, error-free rollout.



Results

The TP-Link Omada Solution delivered immediate results across both locations. The two offices now operate as a single virtual workspace, enabling real-time collaboration, Unified Communications, and Centralised Data Access.

- **Seamless Connectivity:** Perth and Kuching offices now operate as one, with no performance degradation or data latency.
- **Improved Collaboration:** Staff in Malaysia can access shared applications and systems instantly, working alongside the Perth team as if on the same local Network.
- **Enhanced Productivity:** The addition of six new staff overseas reduced workloads at head office and improved response times for clients.
- **Cost Efficiency:** Remote setup eliminated travel costs and accelerated Deployment timelines.
- **Business Continuity:** The Network provides stable VoIP, video, and data communications without interruptions.

Product Solution



SG3428MP
Omada 28-Port Gigabit L2+ Managed Switch with 24-Port PoE+



EAP653
AX3000 Ceiling Mount WiFi 6 Access Point



OC200
Omada Hardware Controller



ER605
Omada VPN Gigabit Router



The TP-Link Omada Solution has delivered and exceeded our expectations. We were impressed with how smoothly the project was deployed across two countries, with no technical issues and full operational success.

— Simon Scott, General Manager
National Steel / National Lintels



Outcome

The TP-Link Omada Solution exceeded expectations, achieving cross-country network integration with minimal cost and maximum reliability. The project was completed within budget and ahead of schedule, allowing National Lintels to scale operations without disruption.



In Partnership with

TANG
TECHNOLOGY