



# Omada Delivers a Rock-Solid Outdoor Wi-Fi 6 Solution for 15,000 Festivalgoers at 2000trees Festival

## Project Scope

Ensure stable outdoor wireless connections for 15,000 music festivalgoers and retailers

## Customer Profile

Name: iSpyder  
Industry: Entertainment  
Location: UK

## Challenges

- High-density user access
- Rural outdoor deployment
- Mixed usage scenarios
- Fast deployment and operational reliability

## Solutions

### Access Points

- EAP610-Outdoor ×45
- EAP615-Wall ×5

### Switches

- SG3428XMP ×12
- SG2005P-PD ×3
- SX3016F ×1

### Controller

- Omada Software Controller

Omada delivered reliable, enterprise-grade outdoor Wi-Fi 6 connectivity at 2000trees Festival, keeping 15,000 attendees, retailers, and production crews connected throughout the festival.

## Streamlined Operations & Reduced On-Site Labor via Centralized Management

To simplify network operations across the site, the Omada Software Controller was deployed on the internal server of iSpyder, enabling centralized management. The primary benefit was unparalleled deployment flexibility: engineers could configure devices remotely from off-site locations, while local installers physically mounted the hardware on-site. With an intuitive network topology, the team had complete, real-time visibility into what was connected, enabling fast troubleshooting and centralized management anytime, anywhere—a massive operational advantage for large-scale, time-sensitive events.

## Overcoming Rural Power & Bandwidth Challenges with PoE & 10G Connectivity

Deploying network infrastructure in a rural farm setting often means dealing with fluctuating power and difficult cabling. Omada L2+ Managed PoE Switches solved this by delivering continuous, stable power and data directly to downstream APs and security cameras through a single cable. This significantly reduced the complexity and cost of powering equipment in remote fields. Coupled with a full 10G fiber backbone, the network guaranteed the high bandwidth and operational reliability required to keep production teams, retail vendors, and attendees online without interruption.

## Solid Outdoor Connectivity for High-Density Crowds

Keeping 15,000 people connected in a concentrated area requires robust hardware. The festival grounds were covered by 45 Omada dual-band Wi-Fi 6 Outdoor APs with IP68 weatherproof enclosures and powerful antennas, plus 5 wall-plate APs. Advanced Wi-Fi 6 features—like MU-MIMO, OFDMA, and seamless roaming—prevented bottlenecks and network interruptions. Retailers processed fast transactions, music fans shared their experiences on social media, and event teams stayed connected, regardless of crowd density and harsh outdoor conditions.

## Optimized Network Performance for Every User Type

Leveraging Omada’s robust management features, it was easy to implement VLAN segmentation to separate Wi-Fi SSIDs by user group. Festivalgoers, for example, were directed to hotspots via the portal system when they used the free Wi-Fi. This approach ensured prioritized critical bandwidth and secure transaction data for retailers, while providing stable internet access for each attendee. This strategic traffic management prevented network congestion in such a highly concurrent environment, ensuring every user got exactly the performance they needed.

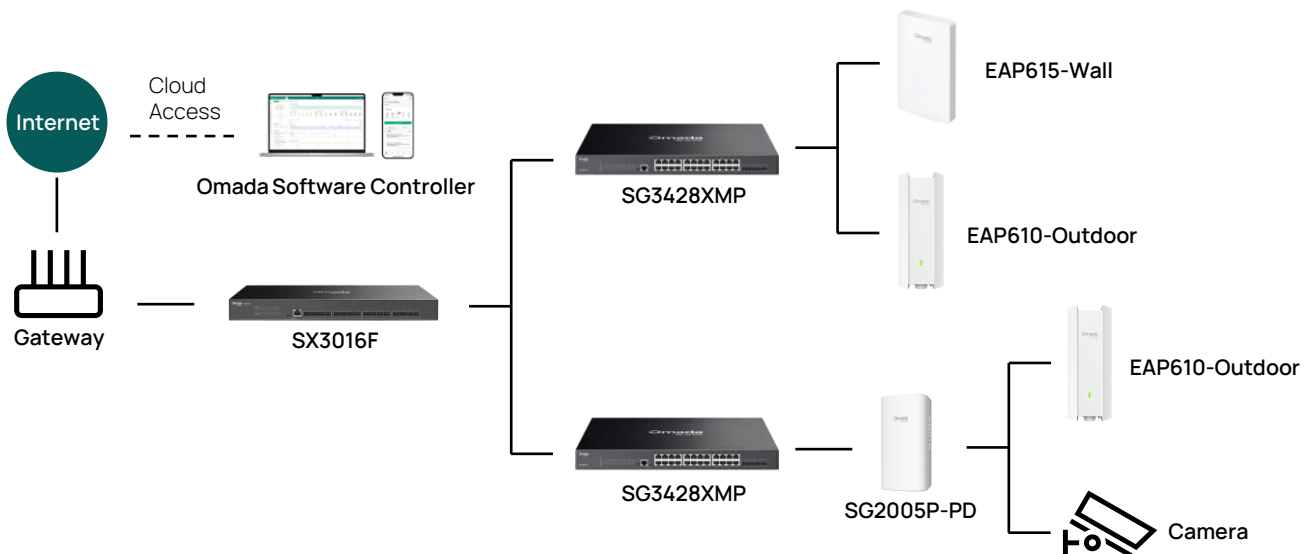


Omada by TP-Link gives us the full all-in-one solution. We'd be happy to recommend Omada by TP-Link to anyone that's looking for a full networking solution.

—Mr. Thomas, Managing Director, iSpyder

100% I'd recommend TP-Link to any festivals or any outdoor events out there. It just works in a field and I mean, that's what you need basically.

—Mr. Simon, Director, 2000trees Festival



*Note: The topology has been simplified and shows only a portion of the products.*

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