Omada
by tp-link

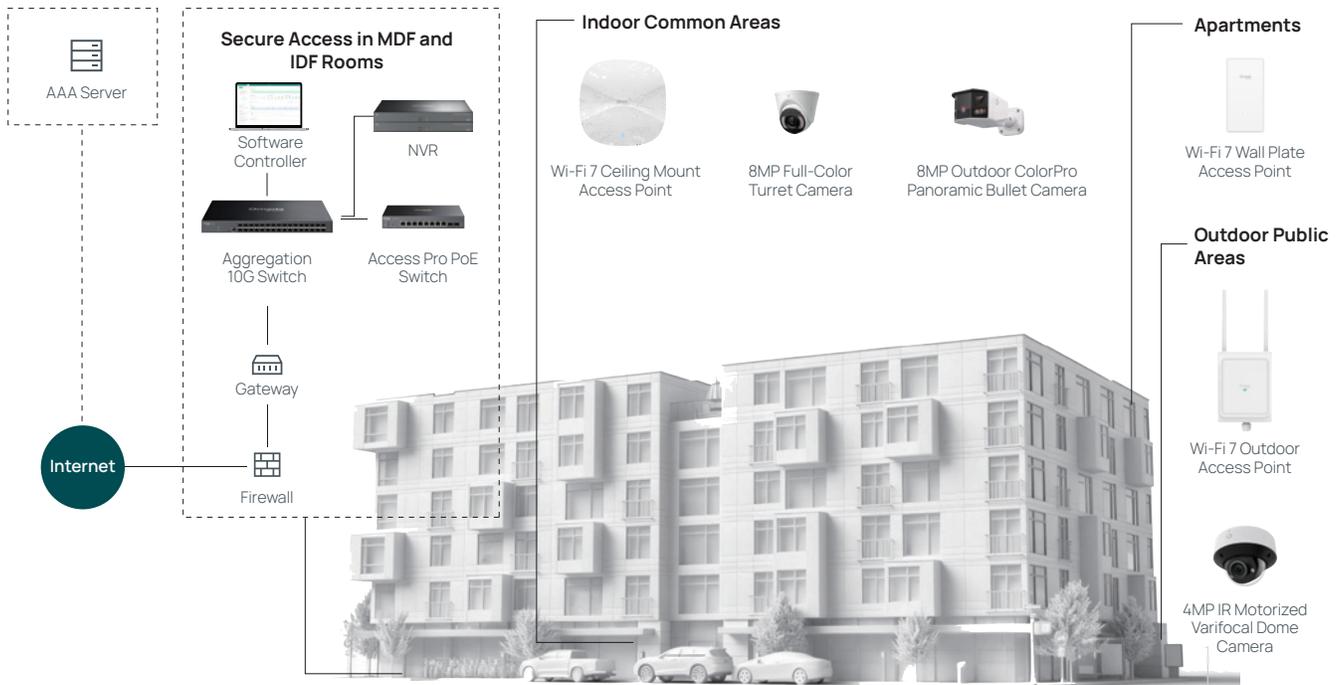# Networking and Surveillance Solutions for MDUs

√ Enterprise-Grade PPSK and Dynamic VLAN

√ Property-Wide Wi-Fi 7 with Seamless Roaming

√ Security That Sees the Whole Property — Without Premium Pricing

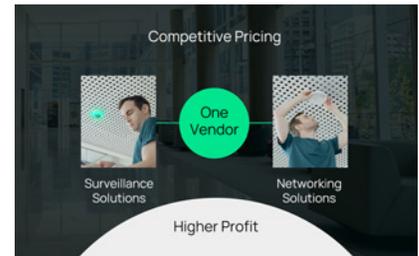√ Centralized Cloud Management

√ Lower Capital Expenditures

NDAA COMPLIANT

End-to-End Network and Security Solutions from a Single Vendor for MDUs

AAA Server

Secure Access in MDF and IDF Rooms

Software Controller

NVR

Aggregation 10G Switch

Access Pro PoE Switch

Gateway

Internet

Firewall

Indoor Common Areas

Wi-Fi 7 Ceiling Mount Access Point

8MP Full-Color Turret Camera

8MP Outdoor ColorPro Panoramic Bullet Camera

Apartments

Wi-Fi 7 Wall Plate Access Point

Outdoor Public Areas

Wi-Fi 7 Outdoor Access Point

4MP IR Motorized Varifocal Dome Camera

Expand Business, Gain More Profit, and Lower Capital Expenditures

Competitive Costs, Strict Quality Control, and Stable Performance — Backed by Vertically Integrated Facilities, Scaled Production, and Experienced R&D

One Vendor. Full Solution. Better Pricing, Higher Profit, and Easier Support

Simple Network & Camera Deployment and Setup

Easy Remote Network Setup with Zero-Touch Provisioning (ZTP)

Instant Network Site and Device Configuration with Site & Device Templates

Automatic Topology, Device & Camera Discovery, and One-Click Adoption

Remote and Quick Troubleshooting

Camera Offline Alarm

24/7 Intelligent Anomaly Detection

Remote Camera Reboot

Access Network Logs and Receive Alert Notifications at Any Time

Topology for Quick Troubleshooting

Integrated Troubleshooting Tools: Traceroute, DNS Lookup, ARP Table, Ping, Packet Capture, and Cable Test
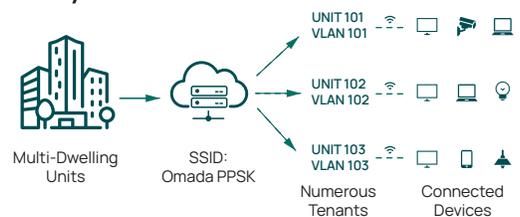
Reliable Networking for MDUs

PPSK* and Dynamic VLAN Offer Business-Grade Security and Flexibility

Unique passwords and VLANs for each user ensure segmented data

Unlimited PPSK entries with external RADIUS server integration**

Supports AAA servers for new revenue streams

Unlock high-speed potential of the 6 GHz with enhanced PPSK

Multi-Dwelling Units

SSID: Omada PPSK

UNIT 101 VLAN 101

UNIT 102 VLAN 102

UNIT 103 VLAN 103

Numerous Tenants

Connected Devices

*PPSK is currently not offered on WPA3 encryption at this time.

**The actual number of PPSK entries depends on the performance of the external RADIUS server. When used with Dynamic VLAN, the entries are limited to a maximum of 4,096.

Property-Wide Wi-Fi 7 Drives Higher Resident Satisfaction

Wi-Fi 7 technology eliminates congestion

Property-wide indoor/outdoor Mesh coverage with Seamless Roaming

Real-time automatic WLAN Optimization

Various Broadcast/Multicast Management ensures private, seamless connectivity

Wi-Fi Calling overcomes cellular dead-zones

Intelligent wireless insights enable rapid resolution for consistent performance

Visualized, Centralized Cloud Management for Networking

Flexibly Choose Between On-Premises (Free Software / Hardware) or Cloud-Based Controllers

MSP Mode and Flexible Privilege Assignment

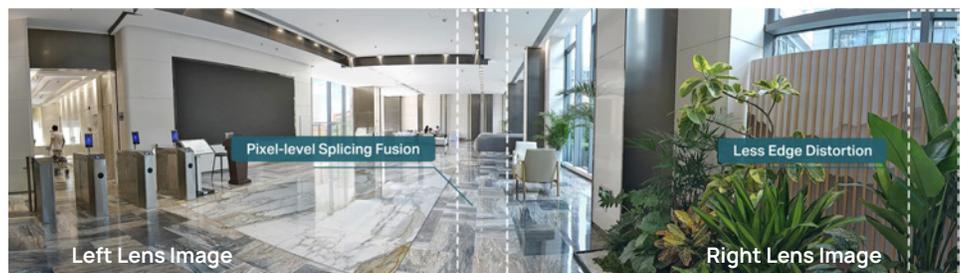Practical Site Map to Visually Display All Sites on the Map

Surveillance That Sees the Whole Property — Without Premium Pricing

See More with 180° Dual-Lens Panoramic Imaging and 4K Ultra-HD

See Everything at Once, Fewer Blind Spots

Every Detail in 4K, Clear Evidence When It Matters

One Camera Covers Two Views, Cutting Installation Costs

Pixel-level Splicing Fusion

Less Edge Distortion

Left Lens Image

Right Lens Image

Smart Search for Quick Target Location and Event Response

Protect Customers and Property

Quick Cross-Camera Target Search

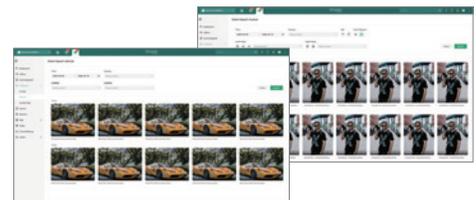Save Target Search Time and Costs

Search by Multiple Attributes

People
Gender, Hair, Topwear Type, Topwear Color, Bottomwear Type, Bottomwear Color

Vehicle
Vehicle Type, Vehicle Color

Locate People or Vehicles of Interest Quickly

LightPro Night Vision Reduces Light Disturbance for Residents

At night in residential areas, the camera uses infrared light to capture black-and-white images.

When people or vehicles are detected, the camera automatically switches to white light for color images.

When no people or vehicles are detected

When people or vehicles are detected

Flexible Centralized Management for Cameras

Flexibly Choose Between Free Local or Cloud-Based VMS

Centralized Event Management

Unlimited Use, No License Fees

Recommended Products

Type		Model	Features
Wi-Fi 7 Access Points	Wall Plate	EAP775-Wall	Up to **11.0 Gbps Wi-Fi 7** Speed; 6× Spatial Streams; 2× **2.5G Ports** + 3× Gigabit Ports; 802.3at/bt PoE; PoE Out
	Ceiling Mount	AP9788	Up to **22.0 Gbps Wi-Fi 7** Speed; 12× Spatial Streams; Dedicated RF Scanning; Smart Antennas; AFC-Enabled 6 GHz; Up to **1,500+** Concurrent Connections; 2× **10G RJ45** Ports (Link Aggregation Support) + 1× USB Port + 1× SFP+ Slot
		EAP787	Up to **15.1 Gbps** Tri-Band Wi-Fi 7 Speed; 8× Spatial Streams; Dedicated RF Scanning; 1× **10G PoE++** Port; Bluetooth; Mesh; Seamless Roaming
		EAP772	Up to **11.0 Gbps** Wi-Fi7 Speed; 6× Spatial Streams; 1× **2.5G POE+** Port; Bluetooth; Mesh; Seamless Roaming
	Outdoor	EAP775-Outdoor	Up to **11.0 Gbps** Wi-Fi 7 Speed; 6× Spatial Streams; AFC-Enabled 6 GHz; Switchable Omni/Directional Antennas; 1× **2.5G PoE+** Port; Mesh; Seamless Roaming; Industry-Leading IP68
Switches	Access Max	SX3832MPP	24× **10G PoE++** RJ45 Ports; 8× **10G SFP+** Slots; **770W** PoE budget; 4K VLANs
	Aggregation	SX3032F	32× **10G SFP+** Slots; Aggregation Layer; RPS (Redundant Power Supplies); 4K VLANs
	Access Pro	SG3428XPP-M2 (V2)	24× **2.5G PoE++ RJ45 Ports**; 4× **10G SFP+** Slots; **770W** PoE Budget; 4K VLANs
	Access Pro	SG2210XMP-M2	8× **2.5G PoE+** RJ45 Ports; 2× **10G SFP+** Slots; **160W** PoE Budget; 4K VLANs
Cameras	Turret	InSight S485	2.8/4mm; **4K Resolution**; Full-Color; Light Pro Night Vision; H.265+; Two-Way Audio; People & Vehicle Analytics; Behavior Detection; IP67; ONVIF Profile G/S/T
	Bullet	InSight S385DPS	4K Resolution; **Dual-Lens 180° Panoramic**; ColorPro Night Vision; People & Vehicle Analytics; Behavior Detection; Red & Blue Lights with Sirens; 1/1 Audio In/Out; 1/1 Alarm In/Out; IP67; IK10; ONVIF Profile G/S/T
	Dome	InSight S245	2.8/4mm; 4MP Resolution; Full-Color; LightPro Night Vision; H.265+; Two-Way Audio; **People & Vehicle Analytics**; Behavior Detection; IP67; IK10; ONVIF Profile G/S/T
		InSight S245ZI	2.7-13.5mm; **5X Optical Zoom**; 4MP Resolution; IR Night Vision; H.265+; People & Vehicle Analytics; Behavior Detection; 1/1 Audio In/Out; 1/1 Alarm In/Out; IP67; IK10; ONVIF Profile G/S/T
Network Video Recorders		VIGI NVR4032H	**32-Channel**; Up to 16-ch @ 2MP (25fps) / 4-ch @ 8MP (30fps) Decoding Capability; 4× SATA Interfaces with 64 TB; 16/4 Alarm In/Out; ONVIF Profile G/S/T

Case Study

Omada Provides PPSK Solutions for GSD Solutions' Oakland Apartment Complex

TESTIMONIALS
"We needed a solution that could do PPSK, and that could be a firewall, PoE switch, and access points," said Scott Davison, CTO at GSD Solutions. "The features are excellent, and we have had no issues with any of the products. We also value the cloud management—along with the PPSK, availability, pricing, and the overall solution."

Omada: Solutions You Can Trust

Omada offers reliable, professional, and innovative networking solutions with top-tier quality and performance.

√ Genuine Manufacturer with Vertically Integrated Facilities and Strict Quality Control for Product Stabilit

√ Up to 5-Year Extended Product Warranties*

√ Cost Savings Through Vertically Integrated Facilities and Scaled Production

√ Local Tech Support and Sales Team

√ Competitive Pricing and Exclusive Partner Benefits Boost Profitability

√ Vast Local Inventory* to Ensure Quick Availability

*Applicable to Omada products in the US region and may vary between regions/countries.