

JetStream

Smart Switches Datasheet

Overview

routing provide cost-effective networking solutions for small and medium-sized businesses without sacrificing

Omada Solution



Hospitality

High Quality and Full Coverage Wi-Fi



Education

High-Density Wi-Fi



Retail

Social Marketing for O2O



Office

Wireless and Wired Connections



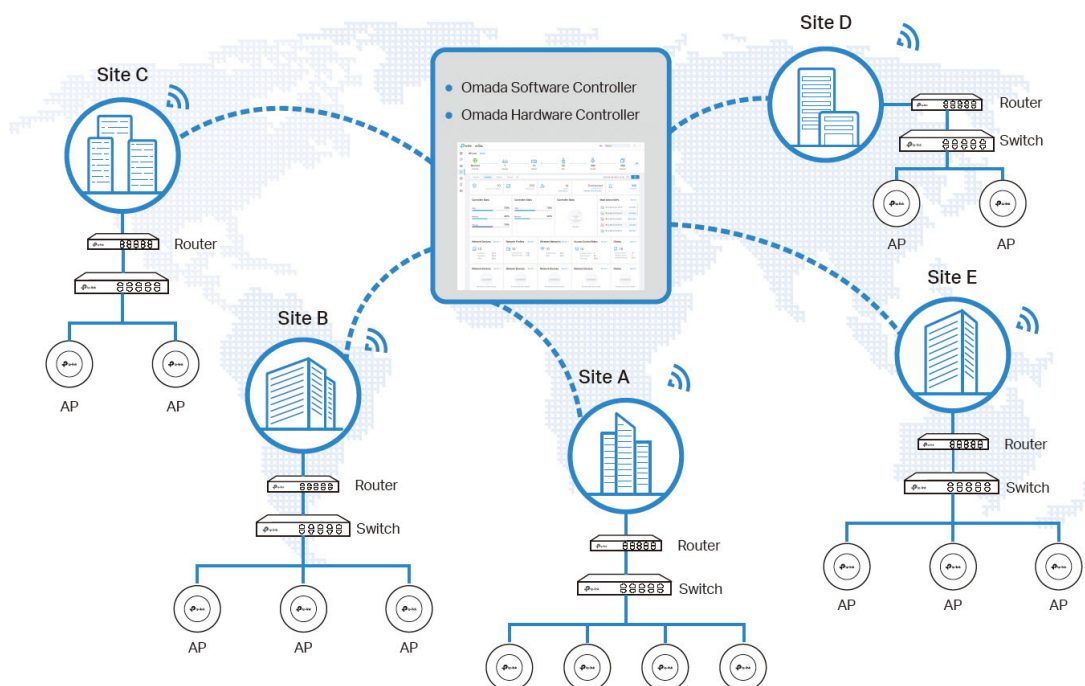
Catering

Full Wi-Fi Coverage in High-Density Environment

Software Defined Networking (SDN) with Cloud Access

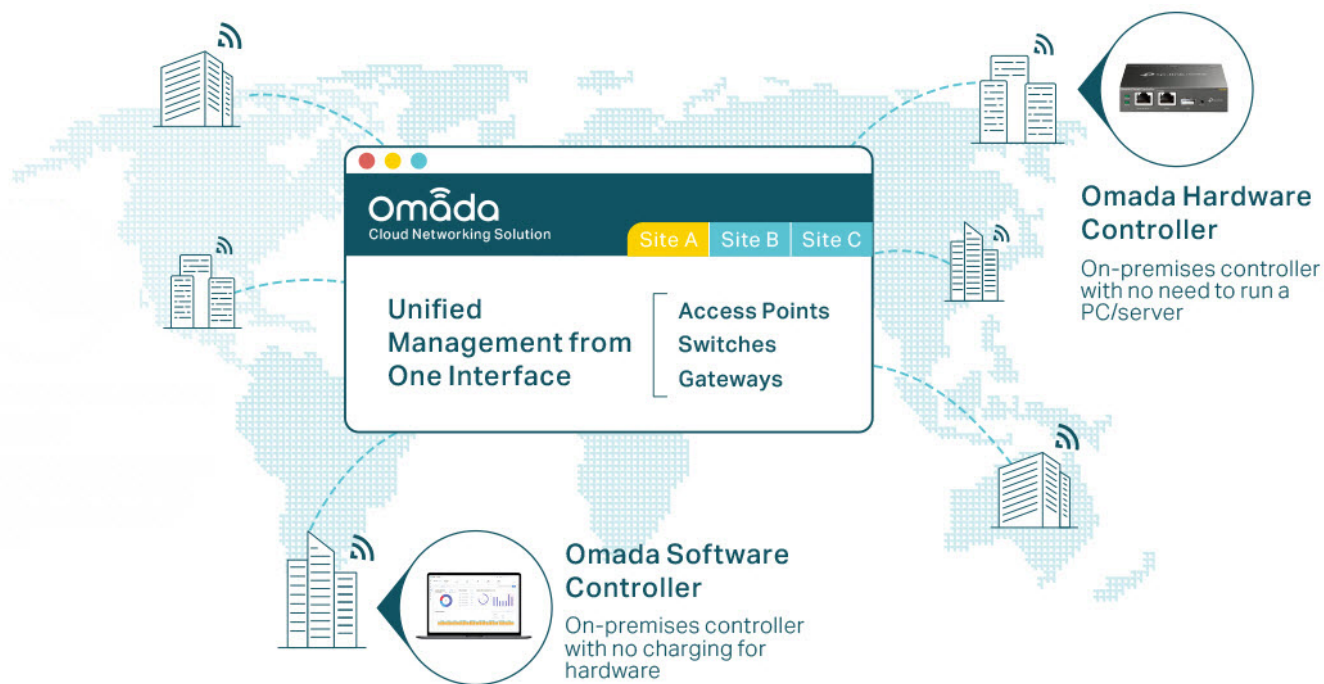
Omada Software Defined Networking (SDN) platform integrates network devices, including access points, switches and gateways, providing 100% centralized cloud management. Omada creates a highly scalable

for use in hospitality, education, retail, offices, and more.



Hassle-Free Centralized Cloud Management

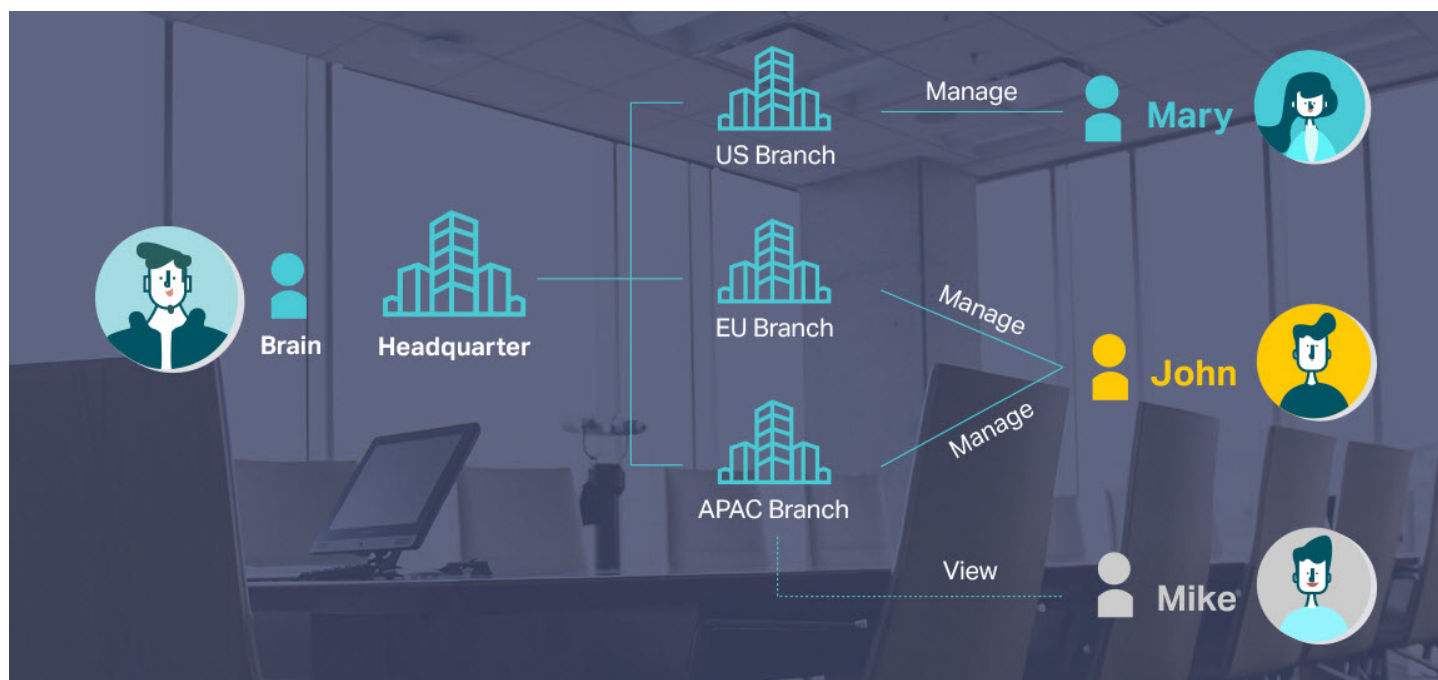
100% centralized cloud management of the whole network from different sites—all controlled from a single



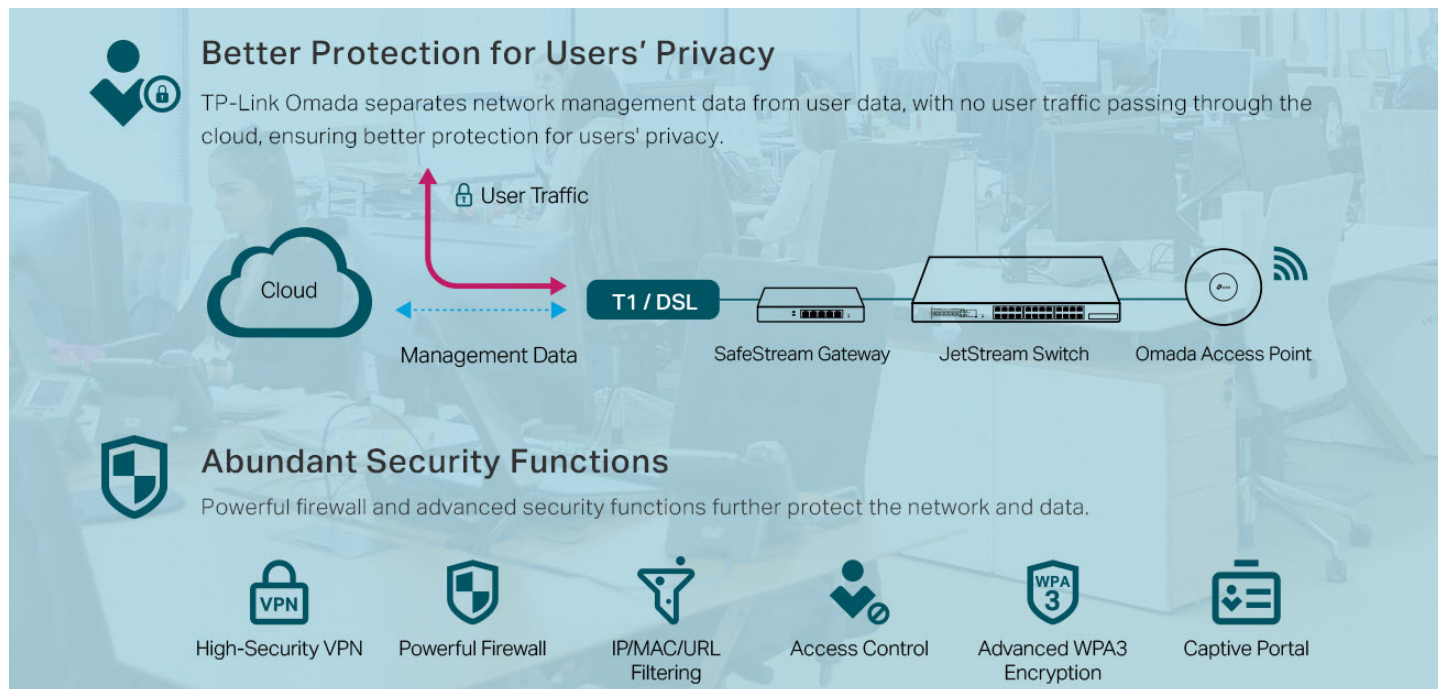
- ✓ No additional training needed
- ✓ Unlimited scalability
- ✓ Batch management
- ✓ Devices still work even when not connected to the Cloud

Assign Different Management Roles

Multi-user privilege assignment is available to increase management efficiency and security. Multi-person management, multi-level permissions, and the ability to add admins as needed, enable flexible network



traffic distribution; receive network condition logs, abnormal event warnings, and notifications; or even track key



Switch Product Features

- L2+ Feature ——Static Routing, helps route internal traffic for more efficient use of network resources

- DHCP Snooping, 802.1X and Radius Authentication

- L2/L3/L4 QoS and IGMP Snooping optimize voice and video applications

- Web/CLI managed modes, SNMP, RMON and Dual Image bring abundant management features

can designate the priority of the traffic based on a variety of means including Port Priority, 802.1P Priority and




MLD Snooping, 802.1Q/MAC/Protocol VLAN, STP/RSTP/MSTP, Link Aggregation Group (LAG), Port Isolation, Port Mirroring, and 802.3x Flow control function. IGMP Snooping ensures the multicast stream be forwarded




subscriber on a certain level to prevent unauthorized multicast access. Besides, these smart switches also




routing through the switch and helps network traffic to be more efficient.

intuitive web-based Graphical User Interface (GUI), industrially standard Command Line Interface (CLI) and SNMP (v1/v2c/v3). These switches support RMON (Remote Network Monitoring), which enables the switch to

Specifications

				
		RJ45 Ports	8 10/100/1000Mbps RJ45	8 10/100/1000Mbps RJ45 Ports
	DRAM			
		IEEE 802.3z:1000BASE-X Gigabit Ethernet (Optical fiber) (only for TL-SG2210P)		
	Rate			
	Packet Buffer			
	Routers	32 (IPv4, IPv6)		
		External Adapter or	53.5 VDC/1.31 A External Adapter	
	Max Power	6.4 W (220 V/50 Hz)	77.3 W (110 V/60 Hz) (with 62 W PD connected)	(110 V/60 Hz) (with 61 W PD connected)
	Max Heat	(220 V/50 Hz)	263.6 BTU/hr (110 V/60 Hz) (with 62 W PD connected)	(110 V/60 Hz) (with 61 W PD connected)
		(220 V/50 Hz)	(110 V/60 Hz)	(110 V/60 Hz)
	(W x D x H)	8.2 × 4.9 × 1.0 in (209 × 126 × 26 mm)		
		0 °C to 40 °C (32 °F to 104 °F)		
		-40 °C to 70 °C (-40 °F to 158 °F)		
		10% to 90% RH, non-condensing		
		5% to 90% RH, non-condensing		
	Certification	CE, FCC, RoHS		

				
		RJ45 Ports	RJ45 Ports	16 10/100/1000Mbps RJ45
	DRAM			
		IEEE 802.3z:1000BASE-X Gigabit Ethernet (Optical fiber)		
	Rate			
	Packet Buffer			
	Routers	32 (IPv4, IPv6)		
		100-240V AC, 50/60Hz	53.5VDC/2.43A External	100-240V AC, 50/60Hz
	Max Power	174.2 W (110 V/60 Hz) (with 150 W PD connected)	146.5 W (110V/60Hz) (with 120 W PD connected)	12.3 W (220 V/50 Hz)
	Max Heat Dissipation	594.46 BTU/hr (110 V/60 Hz) (with 150 W PD connected)	(110V/60Hz) (with 120 W PD connected)	41.97 BTU/hr (220 V/50 Hz)
		(110 V/60 Hz)	9.0 W (110V/60Hz)	(220 V/50 Hz)
	(W x D x H)	11.6 x 7.1 x 1.7 in (294 x 180 x 44 mm)	(286 x 111.7 x 25.4 mm)	(440 x 180 x 44 mm)
		Rackmount/Desktop		Rackmount
		0 °C to 50 °C (32 °F to 122 °F)	0 °C to 40 °C (32 °F to 104 °F)	0 °C to 50 °C (32 °F to 122 °F)
		-40 °C to 70 °C (-40 °F to 158 °F)		
		10% to 90% RH, non-condensing		
		5% to 90% RH, non-condensing		
	Certification	CE, FCC, RoHS		

				
		RJ45 ports	RJ45 ports	24 10/100 Mbps RJ45 RJ45 Ports 2 Combo Gigabit RJ45/
	DRAM			
		IEEE 802.3z:1000BASE-X Gigabit Ethernet (Optical fiber)	IEEE 802.3z:1000BASE-X Gigabit Ethernet (Optical fiber)	
	Packet Forwarding Rate			
	Packet Buffer			
	Number of Static Routers	32 (IPv4, IPv6)		
		100-240V AC, 50/60Hz		
	Max Power Consumption	181.4 W (110 V/60 Hz) (with 150 W PD connected) 178.3 W (220 V/50 Hz) (with 150 W PD connected)	301.1 W (110 V/60 Hz) (with 250 W PD connected)	291.6 W (110 V/60 Hz) (with 250 W PD connected)
	Max Heat Dissipation	619.06 BTU/hr (110 V/60 Hz) (with 150 W PD connected) 608.52 BTU/hr (220 V/50 Hz) (with 150 W PD connected)	1027.40 BTU/hr (110 V/60 Hz) (with 250 W PD connected)	995.09 BTU/hr (110 V/60 Hz) (with 250 W PD connected)
		9.7 W (110V/60 Hz) 9.5 W (220V/50 Hz)	15.6 W (110V/60 Hz)	13.2 W (110V/60 Hz)
	(W x D x H)	(440 × 180 × 44 mm)	(440 × 220 × 44 mm)	(440 × 180 × 44 mm)
		Rackmount		
		0 °C to 50 °C (32 °F to 122 °F)		
		-40 °C to 70 °C (-40 °F to 158 °F)		
		10% to 90% RH, non-condensing		
		5% to 90% RH, non-condensing		
	Certification	CE, FCC, RoHS		

	<ul style="list-style-type: none"> • Support Omada Hardware Controller (OC200/OC300), Software Controller • Batch Configuration • Unified Configuration • Reboot Schedule
	<ul style="list-style-type: none"> • Static Routing <ul style="list-style-type: none"> - 32 IPv4/IPv6 Static Routes • DHCP Relay <ul style="list-style-type: none"> - DHCP Interface Relay - DHCP VLAN Relay • DHCP L2 Relay • Static ARP • Proxy ARP • Gratuitous ARP
	<ul style="list-style-type: none"> - 802.3x Flow Control - 802.1w RSTP Root Protect • Device Link Detect Protocol (DLDP)
	<ul style="list-style-type: none"> - Static Group Config • Multicast VLAN Registration (MVR) - Static Group Config • Limited IP Multicast (256 profiles and 16 entries per profile)
	<ul style="list-style-type: none"> - Max. 4K VLAN Groups • MAC VLAN (12 entries) • GVRP
	<ul style="list-style-type: none"> - Port/Flow based Rating Limit - SP (Strict Priority) - WRR (Weighted Round Robin) • Queue Weight Config - Multiple Control Modes(kbps/ratio)

	<ul style="list-style-type: none">• Time-Range<ul style="list-style-type: none">- Week Time-Range- Absolute Time-Range• Rule Operation<ul style="list-style-type: none">- Rate Limit- Redirect- QoS Remark• ACL Rules Binding• Actions for flows<ul style="list-style-type: none">- Mirror (to supported interface)- Redirect (to supported interface)- Rate Limit- QoS Remark
	<ul style="list-style-type: none">- MAC (Host) based authentication- Support Radius authentication and- ARP Inspection• Secure Command Line Interface (CLI)

	<ul style="list-style-type: none"> • IPv6 Static Routing and ACL • Multicast Listener Discovery (MLD) Snooping • IPv6 neighbor discovery (ND) • Path maximum transmission unit (MTU) discovery • Internet Control Message Protocol (ICMP) version 6 <p>- Telnet(v6)</p>
	<ul style="list-style-type: none"> • Command Line Interface (CLI) through telnet • RMON (1,2,3,9 groups) <ul style="list-style-type: none"> • Dual Image, Dual Configuration
	<ul style="list-style-type: none"> • MIB II (RFC1213) • Bridge MIB (RFC1493) • P/Q-Bridge MIB (RFC2674) • Radius Accounting Client MIB (RFC2620) <ul style="list-style-type: none"> • Radius Authentication Client MIB (RFC2618) • Remote Ping, Traceroute MIB (RFC2925) • RMON MIB(RFC1757, rmon 1,2,3,9)

Ordering Information

	Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX: 1550 nm/RX: 1310 nm, 20 km
	Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX: 1550 nm/RX: 1310 nm, 2 km
	Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX: 1310 nm/RX: 1550 nm, 20 km
	Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX: 1310 nm/RX: 1550 nm, 2 km

RJ45 SFP Modules

	1000BASE-T RJ45 SFP Module

	100Mbps Single-Mode WDM Media Converter, up to 20 km, TX:1550nm, RX:1310nm, chassis mountable
	100Mbps Single-Mode WDM Media Converter, up to 20 km, TX:1310nm, RX:1550nm, chassis mountable
	Gigabit Single-Mode WDM Media Converter, up to 2 km, TX:1550nm, RX:1310nm, chassis mountable
	Gigabit Single-Mode WDM Media Converter, up to 2 km, TX:1310nm, RX:1550nm, chassis mountable
	Gigabit Single-Mode WDM Media Converter, up to 20 km, TX:1550nm, RX:1310nm, chassis mountable
	Gigabit Single-Mode WDM Media Converter, up to 20 km, TX:1310nm, RX:1550nm, chassis mountable

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