

PAKEDGE MS Series

LAYER 3 SWITCHES WITH OVRC

MS-1212, MS-2424, MS-2400, MS-2416, MS-4424

Description

Pakedge MS Series Layer 3 Managed Switches are ideal for your most performance-demanding luxury residential, commercial, and pro-AV projects. When your clients require flawless video streaming, synchronized media distribution, and uninterrupted productivity, MS Series switches deliver with commercial-grade performance and convenient versatility.

The MS Series was designed based on extensive dealer feedback with features including rear-facing ports, PoE+ power budgeting, and the option for either plug-and-play setup for basic installs or advanced Layer 3 functionality for more complex projects. With five 12-, 24-, and 44-port models in a variety of PoE+ configurations and a range of 1 Gbps Ethernet and optional 10 Gbps SFP+ uplinks on every switch, there's an MS switch to meet the needs of every install.

MS Series switches come with free OvrC remote management and monitoring built in with no additional hardware required, so you can stay connected and provide world-class customer service from anywhere in the world. OvrC also comes with a client-facing mobile app that empowers customers to reboot devices and fix common issues on their own, saving you a costly truck roll.

Feature and benefit highlights

- Built for performance-demanding residential, commercial, and pro-AV jobs
- 12-, 24-, and 44-port models with PoE+ 1 Gbps Ethernet ports
- Support for Layer 2 & 3 functionality
- Optional 10 Gbps SFP+ uplinks
- Support for audio-over-IP protocols including Dante, AES67, and Q-LAN
- Support for video-over-IP systems with IGMP v2/v3, and PIM
- Built-in OvrC remote management
- Variable-speed fans
- 3-year warranty



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Features

Engineered for ultimate performance

MS Series switches are designed to handle luxury residential, commercial, and pro-AV jobs and are ideal for customers who demand ultimate performance and reliability. Choose the MS Series switch for large audio and video streaming projects and multi-rack jobs where maximum bandwidth is a must, such as large residential projects or commercial settings like sports bars, retail spaces, and more.

Commercial grade

MS switches support Layer 2 switch functionality including VLANs, IGMP, and spanning tree, in addition to professional AV protocols like Dante and Q-LAN. For more advanced commercial or residential jobs, these switches also provide Layer 3 functionality.

Built for speed

With improved PoE+ budgeting that supports more PoE-powered devices and a range of 1 Gbps Ethernet and optional 1 Gbps and 10 Gbps SFP+ fiber uplinks, these switches are perfect for high-speed switch-to-switch connections and large media or video-over-IP deployments. (SFP+ uplinks require SFP accessories, sold separately.)

Pro-AV functionality

The MS Series offers support for audio-over-IP protocols including Dante, AES67, and Q-LAN, as well as support for video-over-IP systems with IGMP v2/v3 and PIM.

Dealer-inspired versatility

With five switches in 12-, 24-, and 44-port models, the MS Series offers a range of options to fit the needs of every project. For easy installs, we've made the 44-port model a true 1U, while the 12-port models can fit side-by-side on a single 1U space.

OvrC remote management

Install, set up, and manage your client's network from anywhere in the world with built-in OvrC remote management. Pros around the world trust OvrC, and now you can harness the power of remote management right out of the box with no additional hardware required. With OvrC, you can manage PoE power and consumption per port, reboot ports, update firmware, and more—all 100% remotely via the OvrC desktop or mobile app.

Client-facing mobile app

Not only is OvrC completely free to use, it also comes with a free, customizable client-facing mobile app that empowers your customers to reboot devices or fix small issues on their own through a series of pre-configured commands. You can even show them how to manage Wi-Fi access or restrict network content with the push of a button.

Aesthetic and stress-free install

MS Series switches feature an eye-catching matching front panel that you'll be proud to show off. Rack-mounting hardware is included in the box, and rear-facing ports make it easy to deliver a clean look.

Made to last

Variable fans provide quiet cooling to protect components, and enhanced cooling will activate in warmer temperatures, ensuring these switches operate safely in any environment. A three-year warranty offers additional peace of mind and gives you the ability to install with confidence.

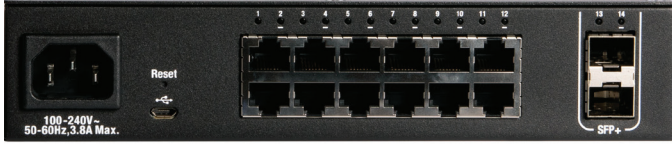
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FEATURES AND SPECIFICATIONS

Model number	MS-1212	MS-2400	MS-2416	MS-2424	MS-4424
Rack spacing	1U				
Software level	Layer 2 + Layer 3				
RJ45 1 Gb ports	12	24			44
SFP+ uplink 10 Gb ports	2				4
PoE AT ports	12	0	16	24	24
PoE budget	190W	N/A	245W	370W	
Flash memory	128 MB				
SDRAM memory	512 MB				
Packet buffer	1500 KB				
MAC table size	16384				
Switching capacity	64	88			168
Forwarding rate	47.62 Mpps	65.48 Mpps			125.00 Mpps
Flow control	802.3x, back pressure				
Spanning tree	802.1D (STP), 802.1w (RSTP), 802.1s (MSTP)				
VLAN features	802.1Q, Auto-voice, port-based, private				
Link aggregation	Static link aggregation, LACP, 6 link aggregation groups, 8 members per link aggregation group				
Multicast features	256 L2 multicast entries, 8 IPv4 multicast groups, PIM-SM, PIM-SSM				
IGMP features	IGMP v1/v2/v3, Fast Leave, IGMP Querier				
Jumbo frame	9216 KB				
Storm control	Multicast, broadcast, unicast				
L2 features	HOL blocking, forwarding mode: store-and-forward, Energy-Efficient Ethernet: IEEE 802.3az, LLDP (IEEE 802.1ab), LLDP-MED				
L3 features	ARP, VLAN router interface, port router interface, IP IGMP				
QoS features	8 priority queues, per-port configuration, SP, WRR				
Security features	Port Security (MAC based), 802.1x PNAC (port based), ACL: L2, L3, L4, IP Source Guard, RADIUS, HTTPS and SSL, SSH v2.0, MAC filter				
Management features	OvrC built in, web GUI, CLI				
DHCP	Client, DHCP snooping, DHCP server filtering,				
Event log	Local flash, remote server				
SNMP	v1, v2, v3				
Dimensions (WxHxD)	209×43×297 mm (8.25×1.69×11.69")	443×43×303 mm (17.44×1.69×11.94")			
Line voltage	100-240V AC, 50/60 Hz				
Power consumption (max)	229.4W	251.W	294.4W	438.7W	461.8W
Operating temperature	0 to 45 °C (32 to 113 °F)				
Storage temperature	-30 to 70 °C (-22 to 158 °F)				
Operating humidity	10-90% RH				
Weight	2.38 kg (5.25 lb)	3.27 kg (7.20 lb)	3.81 kg (8.40 lb)	3.95 kg (8.70 lb)	4.20 lb (9.25 lb)
Fan noise (speeds 1-3)	22.7-48.7 dB	21.1-36.7 dB	22.3-41.2 dB	23.8-52.5 dB	29.6-52.5 dB
Max BTU/hr	67.21	7.35	86.26	128.54	135.31

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MS-1212



MS-2424



MS-2400



MS-2416



MS-4424



LATEST DATA SHEET VERSION



pkdgc.co/ms-ds

QUICK START GUIDE



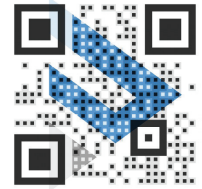
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USER GUIDE



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