

POE+ SWITCH · SD-WAN · EDGE AI

SD-WAN AI Edge

24P PoE

One rack unit that routes, secures, switches and powers the whole site. Next-gen SD-WAN and on-device AI share a chassis with a 24-port managed PoE+ switch, so access points, cameras and phones plug straight into the edge.



24 x PoE+

Gigabit RJ45 ports, IEEE 802.3af / at, up to 30 W each

370 W

Total PoE budget, enough for every AP and camera on site

2 x 10G

1 / 10G SFP+ uplinks for fibre WAN or core stacking

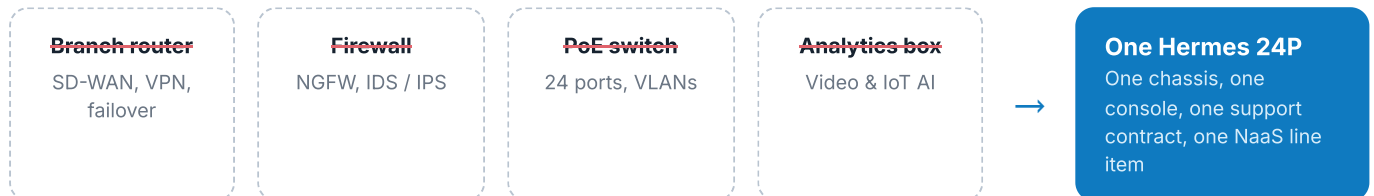
88 Gbps

Switching capacity, 65.47 Mpps forwarding, non-blocking

The whole branch in one rack unit

Most branches stack a router, a firewall, a PoE switch and a video box in the cabinet, each with its own console and support contract. The Hermes SD-WAN AI Edge 24P folds them into one cloud-managed appliance.

The SD-WAN engine connects the site and steers each application over the best WAN path. The managed switch powers and connects up to 24 devices. The edge AI engine analyses the camera and sensor traffic that never has to leave the building. All of it is provisioned and monitored from the Hermes Orchestrator.



Integrated SD-WAN

Encrypted overlay, AI-driven path selection and link failover across fibre, broadband and LTE uplinks.



370 W of PoE+

Powers Wi-Fi 7 access points, IP cameras, VoIP phones and door readers with per-port priority and budgeting.



Edge AI for video & IoT

Cameras plug into the same box that analyses them. Events and insights go to the cloud, not raw footage.



Security in the path

Next-gen firewall, IDS / IPS, 802.1X, DHCP snooping and IP source guard protect every port and every flow.



Managed L2 switching

802.1Q VLANs, voice VLAN, LACP, IGMP snooping, STP / RSTP, QoS and 9216-byte jumbo frames.



Smart LCD panel

A 1.3" touch panel shows status, IP and alerts on site, and handles reboot and reset without a laptop.

What plugs into it

Wi-Fi 7 access points

Ceiling and wall-mount APs on 802.3at PoE+.

IP cameras

Powered, segmented and analysed on the same box.

Voice & collaboration

VoIP phones on a voice VLAN with priority QoS.

Access control

Door controllers and readers on a locked-down VLAN.

Built for the branch cabinet

A standard 19" 1U chassis with front-facing ports and status, rear power and airflow, and rack ears in the box.

Front panel

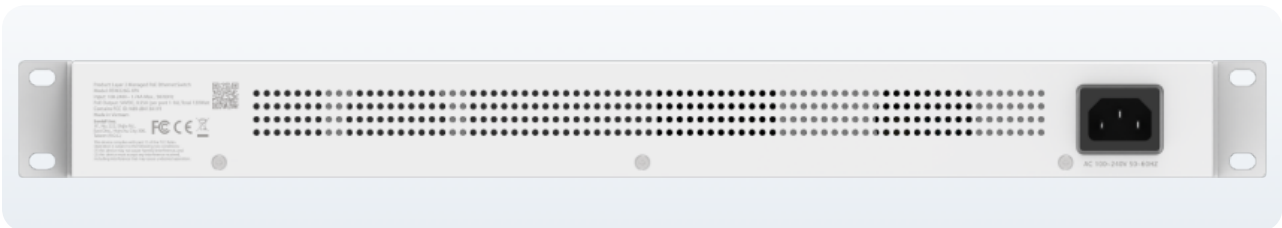
PORTS & STATUS



- | | | |
|---|---|---|
| 1 1.3" LCD touch panel
Status, IP, alerts, reboot and reset | 2 System LEDs
Power and system status | 3 24 × GbE PoE+
10/100/1000BASE-T, 802.3af / at |
| 4 2 × SFP+
1 / 10 Gbps uplinks | 5 Reset
Recessed factory-reset button | 6 Rack ears
19" 1U mounting, included |

Rear panel

POWER & COOLING



- | | | |
|--|--|---|
| 1 AC inlet
100–240 V, 50/60 Hz, internal PSU | 2 Smart fan
Temperature-controlled, rear exhaust | 3 Side vents
Front-to-rear airflow path |
|--|--|---|

PoE budget planner

370 W shared across 24 ports, with per-port priority (low / high / critical) so cameras and APs stay up first.

8 APs · 160 W 12 cams · 120 W 4 ph spare

Example: 8 Wi-Fi 7 APs at 20 W, 12 cameras at 10 W, 4 phones at 7 W = 308 W.

Designed to run 24/7

- ✓ Internal power supply, no external brick
- ✓ Smart fan scales with load and temperature
- ✓ Dual-image firmware with automatic rollback
- ✓ Cable test, port monitoring and event logs

Technical specifications

SWITCHING

Copper ports	24 × 10/100/1000BASE-T RJ45
Uplinks	2 × 1 / 10G SFP+
Capacity	88 Gbps switching · 65.47 Mpps forwarding
PoE	24 × IEEE 802.3af / at, up to 30 W per port
PoE budget	370 W total; per-port enable, priority and usage
Layer 2	802.1Q VLAN (4094 IDs), voice VLAN, LACP and static LAG, IGMP snooping v1/v2/v3, STP / RSTP / MSTP, jumbo frames 9216 B, port mirroring, LLDP / LLDP-MED
QoS	802.1p, DSCP, SPQ / WFQ / WRR queues, per-port rate limiting, storm control
Port security	802.1X with RADIUS, guest VLAN, port isolation, DHCP snooping, ARP inspection, IP source guard

SD-WAN & EDGE AI

Compute	Hermes SD-WAN AI Edge platform: quad-core Arm network processor, 8 GB DDR4
SD-WAN	Encrypted overlay, dynamic path selection, failover, application-aware QoS
Security	Next-gen firewall, IDS / IPS, threat intelligence, segmentation
Edge AI	On-device video and IoT analytics, anomaly detection

MANAGEMENT

Cloud	Hermes Orchestrator: zero-touch provisioning, multi-tenant, Digital Twin
Local	Web GUI, 1.3" LCD touch panel, locate-by-blink
Diagnostics	Cable test, port counters, event logs, SFP DDM
Addressing	DHCP client, IPv4 / IPv6 management, management VLAN

PHYSICAL & ENVIRONMENTAL

Form factor	19" 1U rack-mount, ears included
Dimensions	440 × 230 × 44 mm (W × D × H)
Power	AC 100–240 V, 50/60 Hz, 4.5 A max, internal PSU
Cooling	Smart fan
Operating	0 to 40 °C · 10–95 % RH non-condensing

One box for the whole branch.

Talk to our team about pilots, volume pricing and NaaS bundles for the Hermes Network SD-WAN AI Edge 24P.



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