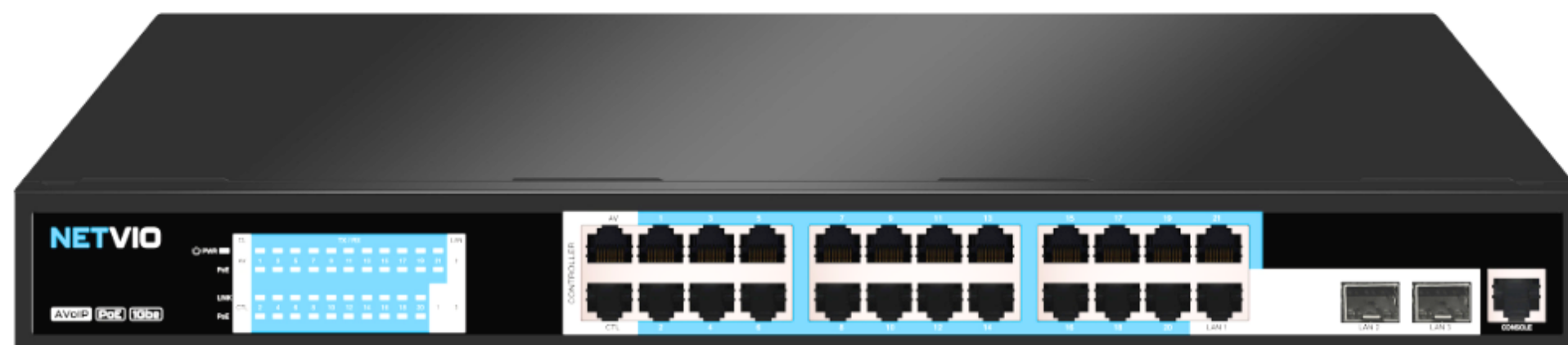


IP-SW-24P-10

Pre-Configured 24-Port AVoIP Switch



> Product Description

The Netvio IP-SW-24P-10 is a 24-port Gigabit PoE+ switch designed and preconfigured specifically for Netvio JP4 Series AVoIP systems. Unlike generic IT switches, it arrives ready for multicast video distribution, ensuring simple plug-and-play setup with JP4 encoders, decoders, and the IP-JP4-CL-10 controller.

With a 450 W PoE+ budget, each port supports up to 30 W, powering endpoints and controllers directly without external adapters. This reduces cabling, simplifies installation, and ensures reliable long-term operation.

Engineered for professional AV integration, the switch supports IGMP snooping/querier, VLAN segmentation, and QoS prioritization, all tuned for seamless video and audio transport. The compact 1U 19" rackmount design includes standard mounting hardware and front-panel indicators for instant port status, making installation and servicing straightforward.

The IP-SW-24P-10 delivers an enterprise-grade backbone with AV installer simplicity, making it the ideal switching platform for small to medium JP4 deployments.

> Product Features

- 24 × Gigabit PoE+ Ports — Power and data delivered on one cable per endpoint.
- Factory Pre-Configured — Ready for Netvio JP4 encoders, decoders, and controllers with zero IT programming.
- Eliminates the complexity of VLAN, IGMP, and multicast programming, enabling true plug-and-play deployment.
- High PoE Power — 450 W PoE budget to support large AV deployments.
- Supports up to 21 Endpoints — Ideal for small-scale AVoIP systems.
- Dedicated Controller Ports — Optimized for Netvio IP-JP4-CL-10 central controller integration.
- Rackmount Form Factor — Professional 1U chassis designed for 24/7 reliability.

> What's Included

- 1 × (CL Controller)
- 3 × 3-pin Phoenix Connectors (RS-232, Audio)
- 2 × Mounting Ears + Screws
- 1 × User information
- 12V/1A PSU not provided, PoE Default power.

> Specifications

General

- Model: IP-SW-24P-10
- Type: 24-Port Managed Gigabit PoE+ Switch
- Use Case: Netvio JP4 AV-over-IP deployments up to 21 endpoints

Ports & Connectivity

- 24 × 10/100/1000 Mbps PoE+ Ports (blue) for endpoints
- Dedicated Controller Ports for IP-JP4-CL-10
- LAN Uplink Ports (white) for router or wider network (Ethernet/SFP)

Performance

- Switching Capacity: ≥56 Gbps
- Forwarding Rate: Wire-speed, non-blocking architecture
- PoE Standard: IEEE 802.3af/at (PoE+)
- PoE Budget: ~450W total (typical)

AVoIP Optimization

- Pre-configured for JP4 Series operation
- Multicast, IGMP snooping, and jumbo frames enabled
- Optimized for ContentPlus+ and Dante (on DNT models)

Mechanical & Environmental

- Form Factor: 19” Rack Mount (1U)
- Enclosure: Metal, black finish
- Operating Temperature: 0°C to 40°C (32°F to 104°F)
- Storage Temperature: -20°C to 60°C (-4°F to 140°F)
- Humidity: 20–90% RH non-condensing

Compliance

- Certifications: CE, UKCA, FCC, RoHS

Works with.....

- All versions of JP4 Series
- IP-JP4-CL-10 Controller
 - Not required in Dante AV-A mode.
 - TS-13-10 (Touch Panel) moving to TS-10-10

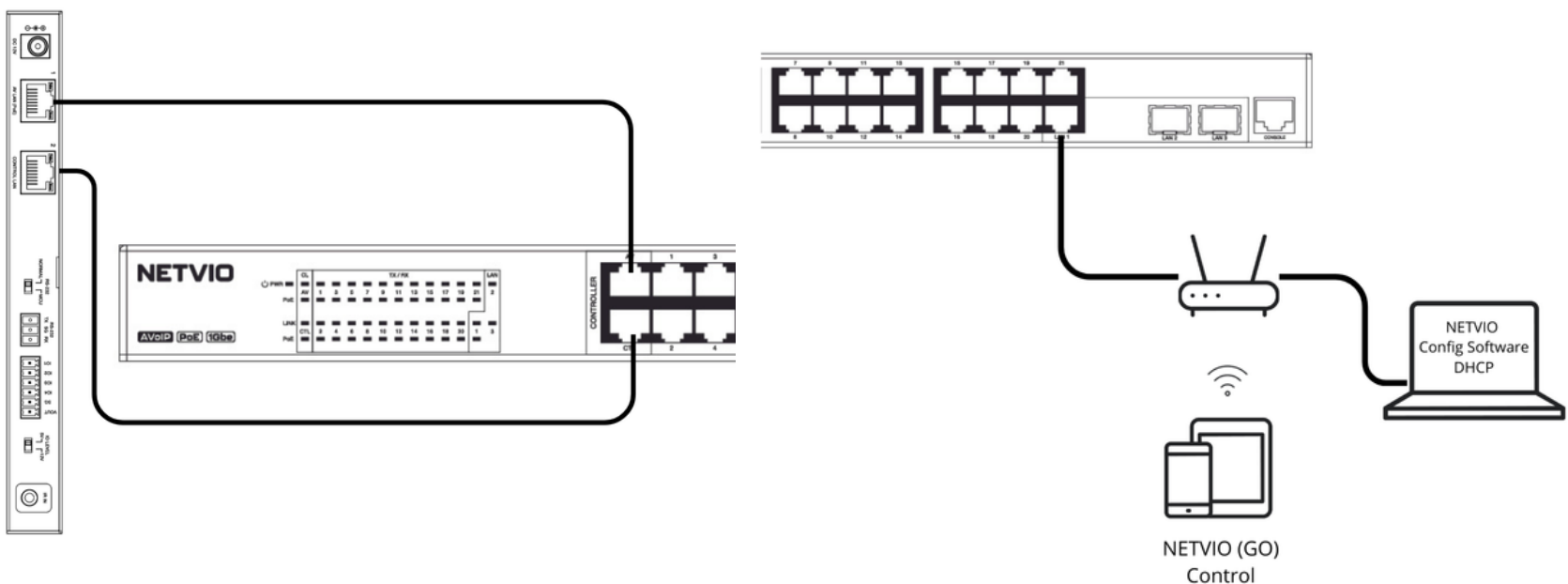
Whats Included

- Network Switch
- Detachable Rear Ears with hardware
- Regionalised Power cord
- User Information

Warranty

- 5 Years (2 Years advanced replacement).

> Wiring Diagram



> Other Alternatives

- Arakins
 - Cisco
 - Draytek
 - Luxul
 - Netgear
 - Niveo
 - Ubiquiti
- Switch guides are available for download at www.netvio.io or www.netvio.co.uk

> M&E Description

Architects & Engineers Specification — Netvio IP-SW-24P-10

The network switch shall be a Netvio IP-SW-24P-10. The unit shall provide 24 × Gigabit Ethernet ports with PoE+ (IEEE 802.3at) and a total PoE power budget of 450 W, delivering up to 30 W per port. The switch shall be preconfigured and optimized for Netvio JP4 Series AVoIP systems, supporting IGMP snooping and querier, VLAN segmentation, and QoS prioritization to ensure reliable multicast video distribution without requiring additional IT configuration.

The switch shall provide a dedicated connection for the IP-JP4-CL-10 controller and support plug-and-play operation with all Netvio JP4 Series encoders and decoders. The unit shall include standard rack-mount hardware, front panel status indicators showing PoE and link/activity per port, and a restricted management interface for Netvio service personnel only.

The device shall accept 100–240 V AC, 50/60 Hz universal input, with maximum system power draw of less than 500 W. The enclosure shall occupy 1U in a standard 19” rack, with metal construction and a black powder-coated finish. The unit shall be designed for continuous 24/7 professional AV operation.