Essentials by vista

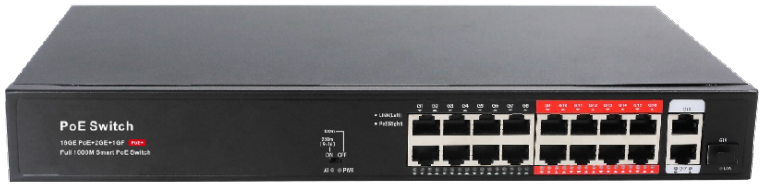
High Powered, Unmanaged Gigabit Ethernet Switches

Datasheet

Buy/view product:



VSW24-1GB



VSW16-1GB

Vista's new VSW range of PoE switches offer the installer an effective solution for creating simple but powerful network designs. These compact switches allow connection to either 16 or 24 local cameras via PoE ports and can run in one of 2-modes*: in 100m mode they operate as regular Ethernet UTP ports with a maximum 90m transmission distance and 10/100/1000Mbps autosensing. With the flick of a switch you can change to 250m mode, PoE port speeds are reduced to 10Mbps and inter-communication between individual PoE camera ports is disabled*, while the transmission and PoE reach of camera PoE ports extends to 250m.**

Each switch has dual uplink ports of 1,000Mbps maximum negotiation speeds, of which one can be utilised to connect to a local VMS server or NVR, such as Vista's VIP series of NDAA compliant recorders - where there is a need to increase PoE port density. The remaining uplink port can be utilised for connection to either a viewing client PC or main network. With gigabit speeds, Vista's range of PoE unmanaged switches provide a valuable edge and access switch function to any existing core network and switch.

**PoE port to uplink port, and therefore NVR\VMS\Core Switch communication etc continues to operate as normal.*

***Refer to Technical Specification for more detail.*

To learn more about Essentials by Vista products please visit norbain.com/vista-essentials

Key Features

- **16 & 24 port Unmanaged Switches**
  A reliable, plug-and-play networking solution designed to instantly expand your wired network.
- **Dual Uplink**
  Reduce bottlenecks and simplify network expansion, while maintaining optimal performance.
- **PoE IEEE 802.3af/at to 30W**
  Delivers both power and data through a single Ethernet cable.
- **Surge Protection to 4K**
  Helps safeguard connected devices from power spikes and electrical surges, improving network reliability.

Specifications

Feature	VSW16-1GB	VSW24-1GB
Ethernet Ports		
Ports	16 x 10/100/1000 Mbps PoE ports 2 x 10/100/1000 Mbps uplink RJ45 ports 1 x 1000 Mbps uplink SFP fiber port	24 x 10/100/1000 Mbps PoE ports 2 x 10/100/1000 Mbps uplink RJ45 ports 1 x 1000 Mbps uplink SFP fiber port
Ports | Speed @ Distance in 100 m mode	1-18 | 10/100/1000Mbps @ 100 m	1-26 | 10/100/1000Mbps @ 100 m
Ports | Speed @ Distance in 250 m mode	9-16 | 10 Mbps @ 250 m	17-24 | 10 Mbps @ 250 m
Transmission cable	Port 1-18 can support 10/100/1000Base-T(X) auto-sensing, full/ half duplex MDI/ MDI-X self-adaption	Port 1-26 can support 10/100/1000Base-T(X) auto-sensing, full/ half duplex MDI/ MDI-X self-adaption
Standards	IEEE 802.3 10Base-T IEEE 802.3i 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-T IEEE 802.3x	
PoE standard	IEEE802.3af/at	
Max port power | Switch budget	30 W | 250 W	
LED Indicators		
Power indicator	PWR (Green)	
Network indicator	LINK (Green)	
PoE working indicator	PoE (Red)	
Functional switch indicator	EXTEND (Green)	
Switch		
Non-blocking switching capacity	38 Gbps	54 GBps
Packet forwarding rate @ 64 byte	28.28Mpps	40.18Mpps
Packet forwarding cache	4 M	
MAC table entries	4K	8K
General		
Working condition	Temperature: -20°C to 55°C; humidity: 5% to 90% RH (non-condensing)	
Environment	IP30	
Power supply (internal)	100-240VAC, 50/60 Hz, 4.1A	
Surge protection	4 kV, 8/20 μs	
Format	Desktop/wall mounted	
Dimensions | Weight	215 mm (W) x 350 mm (D) x 44mm (H) | 2.5kg	215 mm (W) x 350 mm (D) x 44mm (H) | 2.45kg

Models In This Range

11024910 VSW16-1GB
16 port 1GB PoE switch, supports 1G on all ports, also supports extended Mode 250M on port 9-16

11024920 VSW24-1GB
24 port 1GB PoE switch, supports 1G on all ports, also supports extended Mode 250M on ports 17-24

Other Products

11012930 VME24
Vista VME24 24-Inch HDMI & VGA Monitor

11012940 VME32
Vista VME32 32-Inch HDMI & VGA Monitor

11018340 VistaPC-U5-G15-4Mon-KBM-RTX3050-NO-512GB
Vista Client PC 512GB RTX3050 Graphics Card with 4 monitor support

10946300 DIAMOND4KV2
Vista Multi-Faceted CCTV Test Monitor with 4K Camera Support

11002720 CAT5e/UTP/305m/PE/BLK
Vista Cat5e 305m Black UTP PE Duct Grade Network Cable

11002760 CAT5e/UTP/305m/PVC/GRY
Cat5e 305m Grey U/UTP PVC Network Cable

11002740 CAT5e/UTP/305m/D/LSZH/WHT
Cat5e 305m White U/UTP LSZH Dca Network Cable*

11014300 C5-PL-LSZH-GRY-0.5
0.5m Cat5e LSZH RJ45 patch lead Grey**

10920320 L60-6020
Vista 2m CAT6 LSOH RJ45 Patch Lead Black**

11002790 CAT6/UTP/305m/PE/BLK
Cat6 305m Black U/UTP PE/Duct Network Cable

11002770 CAT6/UTP/305m/D/LSZH/WHT
Vista Cat6 305m White UTP LSZH Dca Network Cable*

11026780 60113807
Prysmian Cat6 UTP LSHF B2ca 305m Violet

*Other Colours are available.

***Other colours and lengths are available.*

No liability will be accepted by Vista for any errors or omissions in this information. Subject to change without notice.

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