AVAIVI
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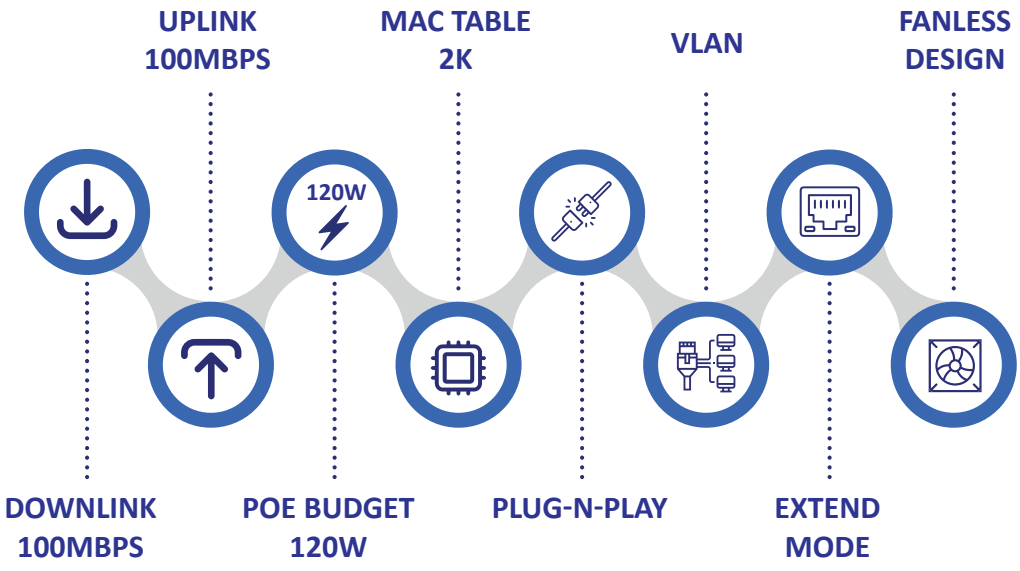
MAKE IN INDIA

6 Port PoE Fast Ethernet Switch with 2 Uplink Port

Model ANSJ-PPH6H2

FEATURES

- 6X10/100MBPS PORT SUPPORT POE IEEE802.3AF/AT STANDRAD
- SUPPORT UPLINK PORT RJ-45 2×10/100MBPS.
- SUPPORT TOTAL POWER BUDGET MAXIMUM 78 WATT.
- SUPPORT SINGLE PORT OUTPUT MAXIMUM 30WATT.
- SUPPORT BACKPLANE BANDWIDTH SPEED 1.6GBPS
- SUPPORT MAC ADDRESS TABLE MAXIMUM 1K.
- HIGH PERFORMANCE CHIPSET, NO LAG VIDEO.
- 100–240VAC VOLTAGE RANGE DESIGN.
- LIGHTINING PROTECTION UPTO 6 KV.
- PLUG-N-PLUG FOR EASY TO USE.
- FANLESS LOW HEAT DESIGN.



www.avaivi.com

6 PORT POE FAST ETHERNET SWITCH WITH 2 UPLINK PORT

AVAIVI's PoE Switches are meticulously designed to cater to the diverse needs of modern networking environments, offering a robust and feature-rich solution. With downlink options supporting both 100Mbps and 1000Mbps, and uplink choices of 100Mbps, 1000Mbps, 1G SFP, and 10G SFP, these switches ensure efficient and high-speed data transmission across your network. AVAIVI switches comply with IEEE 802.3at/af standards, delivering Power over Ethernet to connected devices. The extensive range of PoE budgets, from 65W to 400W, allows users to choose the right fit for their specific requirements, providing power to connected devices while simplifying cable management. AVAIVI's PoE Switches offer advanced management capabilities, including web management, and support for both Layer-2 and Layer-3 functionalities. The plug-and-play design ensures hassle-free installation, while VLAN support enables effective network segmentation for enhanced security. With features like Extend Mode and a console port, these switches offer added flexibility in deployment and management.

DOWNLINK 100MBPS

AVAIVI's PoE Network Switches offer a robust downlink speed of 100Mbps, ensuring reliable and efficient data transfer from the switch to connected devices. This feature is particularly beneficial for scenarios where moderate bandwidth requirements are sufficient, such as powering and connecting IP cameras, access points, and other PoE-enabled devices. With a downlink speed of 100Mbps, AVAIVI's PoE Network Switches provide a balanced and cost-effective solution for various applications, including surveillance systems and basic network connectivity. This speed is well-suited for environments where high data throughput is not a primary requirement but where stable and consistent connectivity is essential. Organisations can trust AVAIVI's PoE Network Switches to deliver optimal downlink performance, meeting the needs of diverse networking scenarios with a focus on reliability and cost-efficiency.

UPLINK 100MBPS

AVAIVI's PoE Network Switches feature a robust uplink speed of 100Mbps, providing efficient data transfer from connected devices back to the network. The uplink speed is crucial for transmitting data from endpoints, such as IP cameras or access points, to the central network, ensuring a reliable and responsive network infrastructure. With an uplink speed of 100Mbps, AVAIVI's PoE Network Switches maintain a balanced and cost-effective solution for scenarios where moderate bandwidth requirements are sufficient. This feature is especially suitable for applications where the emphasis is on downstream data (from the network to devices) and where the uplink serves to transmit essential data from connected devices. Organisations can trust AVAIVI's PoE Network Switches with a 100Mbps uplink speed to facilitate efficient communication between connected devices and the central network, ensuring seamless data transmission and reliable network performance.

120W

POE BUDGET 120W

AVAIVI's PoE Network Switches boast a robust PoE budget of 120W, indicating the maximum power capacity available for distribution to connected PoE devices. This substantial PoE budget ensures efficient power delivery to support a diverse range of PoE-enabled devices, such as IP cameras, access points, and other networking equipment. With a PoE budget of 120W, AVAIVI's PoE Network Switches offer enhanced flexibility for connecting multiple PoE devices simultaneously. This feature is particularly advantageous in scenarios where various powered devices need to be seamlessly integrated into the network, providing ample power resources. Organisations can trust AVAIVI's PoE Network Switches with a 120W PoE budget to effectively meet the power requirements of their PoE-enabled devices. This ensures a reliable and efficient power distribution system, supporting a wide array of applications within the network infrastructure.

MAC TABLE 2K

AVAIVI's PoE Network Switches are equipped with a robust MAC (Media Access Control) table boasting an impressive capacity of 2K entries. The MAC table plays a crucial role in mapping MAC addresses to corresponding switch ports, facilitating efficient data forwarding within the local network. With a MAC table supporting 2K entries, AVAIVI's PoE Network Switches can effectively manage and store information about connected devices on the network. This ensures accurate and swift data delivery by allowing the switch to make informed decisions on how to forward data packets based on the destination MAC addresses. The MAC table with 2K entries in AVAIVI's PoE Network Switches enhances network performance, reduces latency, and optimizes overall efficiency in handling data traffic. This feature is particularly advantageous in environments with a substantial number of connected devices, ensuring seamless communication across the network.

PLUG-N-PLAY

AVAIVI's PoE Network Switches feature the convenience of Plug-n-Play functionality, simplifying the installation and setup process for users. This user-friendly attribute allows for effortless integration into network systems without the need for extensive configuration or technical expertise. With Plug-n-Play, AVAIVI's PoE Network Switches automatically detect and configure connected devices, streamlining the deployment process. This feature is particularly beneficial for users seeking a hassle-free and time-efficient solution, as it eliminates the complexities traditionally associated with network switch installations. Organisations benefit from the Plug-n-Play feature in AVAIVI's PoE Network Switches by saving time, reducing deployment costs, and ensuring a smoother transition to an optimized network infrastructure. This user-friendly feature is ideal for both novice users and experienced professionals, contributing to a more efficient and accessible networking experience.

VLAN

AVAIVI's PoE Network Switches come equipped with VLAN (Virtual Local Area Network) support, offering a powerful networking feature that enhances the organization and segmentation of network traffic. VLANs enable the isolation of network devices into logically segmented groups, even if they share the same physical network infrastructure. With VLAN support, AVAIVI's PoE Network Switches provide administrators with the ability to create multiple virtual networks within a single physical network. This feature helps optimize network performance, enhance security, and streamline network management by isolating broadcast domains and improving bandwidth utilisation. Organisations benefit significantly from VLAN support in AVAIVI's PoE Network Switches, as it enables the efficient organization of network resources, enhances security by isolating sensitive data, and facilitates more precise control over network traffic. This feature is particularly valuable for businesses with diverse network requirements, allowing them to tailor their network infrastructure to specific organizational needs.

EXTEND MODE

AVAIVI's PoE Network Switches feature an innovative Extend Mode, providing users with enhanced reach and flexibility in network deployments. This mode extends the PoE (Power over Ethernet) transmission distance beyond the standard range, allowing for the connection of powered devices at greater distances. With Extend Mode, AVAIVI's PoE Network Switches overcome traditional distance limitations, making it ideal for scenarios where devices are located in hard-to-reach or remote areas. This feature ensures a reliable power supply to PoE-enabled devices, such as IP cameras, access points, or other

peripherals, even in locations with extended cable runs. Organisations benefit from the Extend Mode in AVAIVI's PoE Network Switches by optimizing the placement of powered devices in challenging environments, ultimately contributing to a more flexible and efficient network infrastructure. This feature is particularly advantageous in scenarios where traditional PoE range constraints may pose limitations on device connectivity.

COOLING FAN

AVAIVI's PoE Network Switches are equipped with an efficient Cooling Fan, designed to regulate and dissipate heat generated during the switch's operation. The Cooling Fan plays a crucial role in maintaining optimal temperature levels within the switch, ensuring continuous and reliable performance. With the Cooling Fan feature, AVAIVI's PoE Network Switches prevent overheating and contribute to the longevity and stability of the switch. This is particularly important in environments where the switch experiences high data traffic or is deployed in areas with elevated ambient temperatures. Organisations benefit from the Cooling Fan in AVAIVI's PoE Network Switches by ensuring the switch operates within the recommended temperature range, minimizing the risk of performance degradation or hardware damage due to overheating. This feature enhances the overall reliability and efficiency of the switch in diverse networking environments.

6 PORT POE FAST ETHERNET SWITCH WITH 2 UPLINK PORT

Hardware Specification	
Network Ports	6×10/100Mbps RJ45 PoE+ Port
	2×10/100 Mbps RJ45 Uplink Port
Data PIN	1/2+, 3/6-
Network Protocol Standard	IEEE 802.3i, IEEE 802.3u, IEEE 802.3x, IEEE 802.3af, IEEE 802.at
Single Port Output	Up to 30Watt Max
PoE Power Budget	78 Watt
CCTV Extend Mode	Supported
VLAN Mode	Supported
Backplane Bandwidth	1.6Gbps
Forwarding Mode	Store-and-forward, Half-duplex back pressure and IEEE 802.3x full-duplex flow control
Packet Forwarding rate	1.19Mpps
Forwarding Rate	10Base-T: 14880PPS
	100Base-T: 148800PPS/port
Network Latency	Less than 20us for 64 byte frames in store-and-forward mode for 100Mbps to 100Mbps transmission
MAC Address	MAC address table 1K
Port Function	Power, SYS, Link/Act:10/100Mbps, POE+
LED Indicator	System: Power, PoE Maximum power Per port: Link, Activity, Speed, PoE active, PoE error
Power Input	Single, AC 100~240V, 50/60 Hz
Operating Temperature	-20℃ ~ 55℃
Operating humidity	95% maximum relative humidity, non-condensing
Lightning Protection	6KV
Weight	0.95kg
Casing	Metal
Dimension	202mm x 140mm x 45mm

ABOUT AVAIVI

AVAIVI is a dynamic and innovative DPIIT recognised Startup Company for its commitment to driving excellence, fostering innovation, and contributing to Bharat's burgeoning entrepreneurial landscape. AVAIVI specialises in providing cutting-edge Audio-Visual Solutions, AI-based Software and Security & Surveillance Technology.

AV Technology: AVAIVI's state-of-the-art audio-visual solutions redefine how information is presented and shared. Our innovative AV solutions include interactive displays, digital signage, audio systems, and immersive multimedia experiences.

AI Software Suite: From predictive analytics to process optimization, our AI-based software applications empower organizations to make informed decisions, streamline operations, and stay ahead in a rapidly evolving digital landscape.

Video Surveillance: AVAIVI's expertise in CCTV security surveillance technology goes beyond traditional monitoring. Our comprehensive solutions encompass advanced camera systems, intelligent video analytics, and remote monitoring capabilities.