How to Choose an 8 Port Gigabit Switch?

There are many different network switch in the market and it comes with 8, 16, 24 or 48 ports. Among them, 8 port Gigabit switch is regarded as a cost-effective choice for small-sized families and business use. Then, how to choose an 8 port Gigabit switch? Are there any recommendations for it?

How to Choose an 8 Port Gigabit Switch?

The 8 port Gigabit switch is available in several types, including PoE or Non-PoE, managed or unmanaged. commercial or industrial, The following will tell you how to choose an 8 port switch from these types.

Power over Ethernet (PoE) or Non-PoE Switch

There is no doubt that a Gigabit PoE switch is better than the Non-PoE one. A Gigabit PoE switch is able to transmit both data and power supply over the existing Ethernet cable to network device at the same time. It can help reduce the cabling complexity and save the cost of installation and maintenance. Usually, it is used for VoIP phones, network cameras and some wireless access points. The 8 port Gigabit PoE switch is one of the most popular PoE switches for IP camera system.

Unmanaged or Managed Switch

Unmanaged switch, as a plug & play switch, has limited performance and doesn't support any configuration interface or options. While managed switches can offer good protection of the data plane, control plane, and management plane. Besides, it is also able to incorporate Spanning Tree Protocol (STP) to provide path redundancy in the Ethernet network. Additionally, managed switch enables more bandwidth to be contributed through the network. This function brings higher network performance and better transmission of delay-sensitive data. For your home use, a managed 8 port Gigabit switch may be a better choice.

Commercial or Industrial

Industrial-grade Ethernet Switches are specifically designed to stand up to extreme temperatures, vibrations, and shocks found in environments like: industrial and factory automation, outdoor applications, rail and intelligent transportation systems (ITSs), marine, oil and gas, mining. These rugged, yet easy to use, switches exceed the specifications of commercial switching products with industrial safety certification and approval for hazardous locations making them ideal for use in harsh environmental conditions.

8 Port Gigabit Switch Recommendation

Rancent RCINGE8F2-MSPOE 8 port Industrial Gigabit PoE+ managed switch has 8x 10/100/1000Base-T RJ45 Ethernet ports and 2x Gigabit SFP slots. The transmission distance of its SFP fiber port can be up to 120km, and with high resistance to electromagnetic interference. Besides, this switch complies with PoE+ standard for higher power capacity than PoE standard with real-time monitoring via Embedded web-based L2 Management. It also features superior performance in stability, environmental adaptability. This 8 port switch is best fit for weather-proof IP cameras.