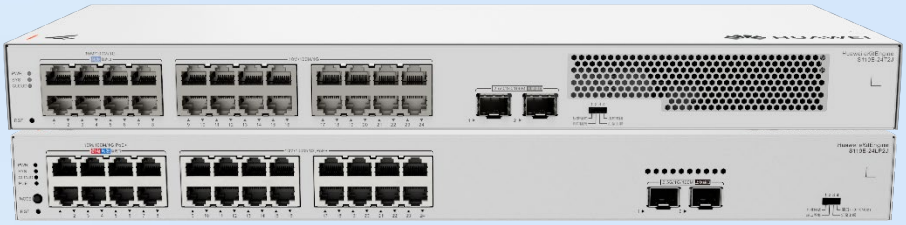
HUAWEI eKit

Huawei eKitEngine S110E Series Switches Datasheet



Unmanaged Visual Switch

Make SME Network Easier and Smarter

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Product Overview

Huawei eKitEngine S110E series switches (S110E for short) are unmanaged switches designed for the SME market. The S110E series switches provide 24 x GE electrical (PoE) ports, 2 x 2.5GE optical ports. With features like easy installation and deployment, as well as flexible Ethernet networking, the products can be widely used in various scenarios, such as SME Network enterprise office, economic hotels, factories, primary and secondary education, and building security.

Product Models and Appearances

Huawei eKitEngine S110E series switches consist of the following models:

Product Appearance	Description
 eKitEngine S110E-24LP2J	• 8 x 10/100/1000BASE-T ports (PoE+), 2 x 100M/GE/2.5GE SFP ports • Built-in AC power • PoE+: 247 W • Packet forwarding rate: 43.15 Mpps • Switching capacity: 58 Gbps
 eKitEngine S110E-24P2J	• 8 x 10/100/1000BASE-T ports (PoE+), 2 x 100M/GE/2.5GE SFP ports • Built-in AC power • PoE+: 400 W • Packet forwarding rate: 43.15 Mpps • Switching capacity: 58 Gbps

Product Features and Highlights

Flexible Ethernet Networking

- Flexible installation: The switches support wall- and rack-mounted installation, meeting installation and deployment requirements.
- These switches provide GE electrical ports, 2.5GE optical ports, greatly improving networking flexibility.

Ultra-High-Speed and Reliable Access

- These switches support full-line-rate forwarding, allowing all ports to achieve non-blocking data packet forwarding. This provides ultra-high-speed access experience for users, meeting the requirements of high-bandwidth services, such as HD video conferencing, online video, and large file download.
- Port isolation can be configured on the downlink ports of these switches as required. In this way, all data is forwarded by the central switch based on user access policies to ensure terminal access security.

Ultra-Low Power Consumption

- The 24-port PoE switches use the intelligent PID algorithm for fan speed adjustment. Other models are fanless and noise-free, ensuring ultra-low power consumption. The average maximum power consumption of a single port on some models is less than 1 W, saving 30% power compared with traditional switches.

PoE Power Supply

PoE-capable models provide the following capabilities:

- Fast PoE: A 24-port PoE switch can supply power to PDs within seconds upon power-on, which is different from common switches that supply power to PDs in 1 to 3 minutes after power modules are installed. When a PoE switch restarts due to a power failure, it continues to supply power to PDs as soon as it is powered on, without waiting until it completes the restart. This greatly shortens the downtime of PDs.
- Perpetual PoE: When a switch reboots, the power supply to connected PDs is not interrupted.

Rich PoE Compatibility

PoE switches are compatible with more than 100 types of non-standard PoE terminals and can supply power to common non-standard PoE terminals.

PoE Watchdog

When no traffic is detected from the camera connected to the PoE switch, the associated PoE port will perform a power-cycle to reboot the camera and ensure proper operation.

Product Specifications

Item	eKitEngine S110E-24LP2J	eKitEngine S110E-24P2J
Switching capacity	58Gbps	58Gbps
Packet forwarding rate	43.15 Mpps	43.15 Mpps
Port description	24 x 10/100/1000BASE-T ports (PoE+), 2 x 100M/GE/2.5GE SFP ports	24 x 10/100/1000BASE-T ports (PoE+), 2 x 100M/GE/2.5GE SFP ports
Chassis dimensions (H x W x D)	43.6 mm x 442 mm x 220 mm	43.6 mm x 442 mm x 220 mm
Weight without packaging	1.6 kg	2.01 kg
Installation mode	Rack-mounted	Rack-mounted
Power supply type	Built-in AC power	Built-in AC power
Rated voltage	100 V AC to 240 V AC; 50/60 Hz	100 V AC to 240 V AC; 50/60 Hz
Maximum power consumption	PoE 247W	PoE 400W
Operating temperature	–5°C to +45°C	–5°C to +45°C

Item	eKitEngine S110E-24LP2J	eKitEngine S110E-24P2J
Storage temperature	–40°C to +70°C	–40°C to +70°C
Relative humidity	5% to 95% (non-condensing)	5% to 95% (non-condensing)
Power port surge protection	±4 kV in differential mode, ±4 kV in common mode	±4 kV in differential mode, ±4 kV in common mode
Heat dissipation mode	Fanless, natural heat dissipation	Fanless, natural heat dissipation

More Information

For more information about Huawei eKitEngine switches, visit https://ekit.huawei.com/ or contact Huawei's local sales office. Alternatively, you can contact us through one of the following methods:

- Global service hotline: http://e.huawei.com/en/service-hotline
- Enterprise technical support website: http://support.huawei.com/enterprise
- Sending an email to the customer service mailbox: support_e@huawei.com

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