

INTRODUCTION

The UltraLAN SF04PAI+2FE-60W is a 6 port switch with 4x 10/100Mbps 802.3af/at PoE ports and 2x 10/100Mbps uplink ports. The 802.3af/at ports will auto detect and identify IEEE802.3af/at devices before supplying any voltage, therefore you do not have to worry about damaging your non-PoE equipment. Total maximum PoE budget is 60W and the maximum budget per port is 36W.

WHAT IS AI & HOW DOES IT WORK?

AI is an integrated intelligent port monitoring protocol, AI monitors traffic on each individual port of the switch and if no traffic passes through the interface after 120 seconds the port is automatically reset, as a result the non-responding device receives a hard reboot and comes back online automatically.

The benefits of AI are twofold: With a traditional switch the entire switch must be reset which means ALL devices go offline (including even perfectly functioning devices), it is also typically a manual process requiring human intervention which means downtime is significantly longer and in remote locations particularly cumbersome and costly. AI can significantly increase system uptime while massively reducing system downtime.

AI functionality can be activated and deactivated via a toggle switch on the device.

AI KEY FEATURES & MODES:

- 
AI Extend: 1-4 ports can be extended to support cable length of up to 250 meters, high quality bare copper cable is recommended (CAT5e or CAT6 for maximum distance)
- 
AI VLAN: Isolating ports 1-4 from each other can effectively suppress network storms and improve network performance.
- 
AI QoS: Customize application priority to improve network sensitivity. For example, video priority will take preference over other protocols
- 
AI power: Monitor each port on the switch for traffic and if no traffic is detected power off and restart the device



SPECIFICATIONS

Network Port	· 4x 10/100Mbps PoE RJ45 port (Port 1 - Port 4)
	· 2x 10/100Mbps RJ45 port uplink (Port 6 - Port 6)
Transfer Rate	· 100Mbps full Duplex, 10 or 100Mbps Half Duplex
Network protocol	· IEEE 802.3i, IEEE 802.3u, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at
Performance	· Bandwidth: 1.2Gbps (no block)
	· Network delay (100 to 100Mbps): maximum 20μs (64 byte packet)
	· Frame filtering and transmission rate:
	10Mbps port maximum 14,800pps
	100Mbps port maximum 148,800pps
LED indicator	· Power
	· LINK/ACT
POE pin	1/2(+), 3/6(-)
Power	· Max power for single port 36W
	· External power adapter: 60W
Dimensions	· Size (LxWxH): 125mm x 75mm x 27mm
	· Weight: 0.75kg
Environment	· Operating Temperature: 0°~40°C
	· Operating Humidity: 10%~90%, Non-condensing
EMC	· CE Class B
	· FCC Part 15, Class B
	· VCCI Class B
	· C-Tick
Safety Regulation	· CE/ROHS/FCC/CCC



UltraLAN Technology Co (Ltd) designs, customize and manufacture **best-in-class** rugged, reliable integrated network & telecom related products.