



Model		WK-PCES310-1A1B-H
Hardware Specifications		
Interfaces		
Downlink Ports	8 * 10/100/1000Mbps RJ45 Ports	
Uplink Ports	1 * 1.25Gbps SC/UPC A Port 1 * 1.25Gbps SC/UPC B Port	
SC/UPC Features	Working Wavelength A: TX1310nm, RX1550nm B: TX1550nm, RX1310nm	
	Average transmitted optical power: -9~0dBm	
	Receiving sensitivity: -27dBm	
	Transmission distance: 20km	
PoE		
PoE Port	Port 1-8	
PoE Standard	Port 1-2: Hi-PoE 60W Port 3-8: 802.3af/at 30W	
PoE Pin Assignment	Hi-PoE(60W): 1/2(+), 3/6(-), 4/5(+), 7/8(-) 802.3af/at PoE: 1/2(+), 3/6(-)	
PoE Power	60W Max. for port 1-2 30W Max. For port 3-8 110W Max. for PoE power budget	
Performance		
Flash	4MB	
Switch Property		
Standards and Protocols	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.1q, IEEE802.3af, IEEE802.3at, IEEE802.3ad	
Forwarding Mode	Store and Forward	
Switching Capacity	20Gbps	
Packet Forwarding Rate	14.88Mpps	
MAC Address Table	8K	
Packet Buffer Memory	64KB	
Jumbo Frame	9K	
Power Supply		
Input Power	PWR1/2: Non-PoE: 12-57V PoE: 44-57V	
Power Consumption	Idle: 2.5W 100% Traffic Rate with PoE: 112.5W	
Power Adapter	DC 52V 2.3A 120W max.	
	Operating Temperature: 0°C to 40°C	
Physical Characteristics		
LED Indicators	P1/P2(Green) Solid On: The device power on is normal Off: The device is power off or failed SYS (Green): Blinking: The system is working normally Solid On/Off: The system is being started or abnormal PoE (Orange): Solid On: There is a PoE PD connected to be port, which supply power successfully Off: No PoE powered device (PD) connected Link (Green): Solid On: Port connected Off: Port disconnected Blinking: Data transmission SC/UPC Indicator Solid on: Port connected Blinking: Data transmission Off: Port disconnected	
Switch Dimension(W*D*H)	171*127.3*42mm	
Package Dimension(W*D*H)	212*249*71mm	
Weight	Net Weight: 0.7kg	
	Package Weight: 1.3kg	
Installation	DIN-rail, Wall-mount and Desktop	
Button		
Reset	Hold for >5 sec. to restore factory default	
Fan Quantity	Fanless	
Environmental		
Reliability	Surge Immunity	IEC 61000-4-5 Common mode: ±4kV Differential mode: ±2kV
	ESD Protection	IEC 61000-4-2 Contact discharge: ±8kV Air discharge: ±15kV
Operating Temperature	-30°C to 65°C(-22°F to 149°F)	
Operating Humidity	10%~90% RH no condensation	
Storage Temperature	-40°C to 70°C(-40°F to 158°F)	
Storage Humidity	10%~90% RH no condensation	
Certification		
Certification	CE, FCC, RoHS, UKCA, RCM	