

Product Description

If your company is installing remote exterior security devices such as IP cameras, intercoms, or access control panels on poles, the enclosures, power supplies and hardened switches are likely sourced from various vendors. The PWB series PoE kits are designed as “one source” all-in-one solutions as easy add-on sales for deployment. The PWB series is ideal for remote camera applications requiring wireless point-to-point or multipoint bridge kits that power via PoE. Some variations also feature SFP ports for fiber connections. The PWB kits convert high voltage (100Vac - 240Vac) constant power to low voltage PoE power and are designed to make installation straightforward. If battery backup is preferred, please contact KBC for information on our UPS series.



Product Features

- All models support IEEE 802.3af and IEEE 802.3at PoE; Models available with 802.3bt HPOE Output
- All units can be wall or pole mounted
- UL/ULC listed NEMA 4X rated enclosures & power supplies
- Plug-and-play design

Included in the Kits

- NEMA 4X enclosure with integrated AC to DC power supply
- Industrial (extreme temperature hardened) PoE Switch; number of ports, type of network management and output options vary
- Wall or pole mount assembly

Port and Power Features by Part Number

Part Code	Hardened PoE Switch Included					Power Supply		Total PoE Power Budget
	PoE+ Ports	HPOE Ports	Non-PoE Ports	Fiber Ports*	Managed	Voltage Output (VDC)	Wattage	
PWB-S2-G1	2	0	1	0	No	48	100	60W
PWB-H2-G1	2**	2	1	0	No	24	200	170W
PWB-S4-G1	4	0	1	0	No	48	150	120W
PWB-S4-L-G1	4	0	1	0	No	24	200	120W
PWB-S4-P2	4	0	0	2	No	48	150	120W
PWB-M-S4-P2	4	0	0	2	Yes	48	150	120W
PWB-H4-P2	4**	4	0	2	No	54	350	300W
PWB-S8	8	0	0	0	No	48	350	240W
PWB-S8-P2	8	0	0	2	No	48	350	240W
PWB-M-S8-C2	8	0	2***	2***	Yes	48	350	240W
PWB-H4S4-P2	4	4	0	2	No	54	350	300W

*Fiber SFPs sold separately; various options are available. Use Gigabit speed (1000-base) SFPs.

**All PoE ports can deliver HPOE, PoE+ or standard PoE as required.

***The 4 total uplink ports are combo ports meaning that when you use one type, the corresponding port is deactivated. In other words, if SFP port 1 is used, then copper LAN port 1 is no longer active. If SFP port 1 is used, SFP port 2 can be available as long as copper LAN port 2 is unused.

Specifications

	PWB-S2-G1	PWB-H2-G1	PWB-S4-G1	PWB-S4-L-G1	PWB-S4-P2	PWB-M-S4-P2	PWB-H4-P2	PWB-S8	PWB-S8-P2
Power									
Power Input	100~240Vac								
Power Consumption (120Vac) ⁽¹⁾	0.29A max	0.96A max	0.58A max	0.58A max	0.58A max	0.58A max	1.44A max	1.15A max	1.15A max
Power Consumption (240Vac) ⁽¹⁾	0.14A max	0.48A max	0.29A max	0.29A max	0.29A max	0.29A max	0.72A max	0.58A max	0.58A max
Integrated Power Supply									
Rating/listing	UL, ULC								
Output	48Vdc	24Vdc	48Vdc	24Vdc	48Vdc		54Vdc	48Vdc	48Vdc
Wattage	100	200	150	200	150		350		
Ports									
Data speed	10/100/1000 Mbps Auto-Sensing Half & Full Duplex								
Ethernet Management	N/A					Web GUI via LAN port & IP address	N/A		
Total Ports	3	3	5	5	6		8	10	
PoE Ports	2	0	4				0	8	
HPoE Ports	0	2	0	0	0	0	4	0	0
SFP Ports	0	0	0	0	2		0	2	
Non-PoE Ports	1				0				
PoE Budget	60	170	120			300		240	
PWB-S8-M-C2					PWB-H4S4-P2				
Power									
Power Input	100~240Vac								
Power Consumption (110Vac) ⁽¹⁾	1.15A max				1.44A max				
Power Consumption (240Vac) ⁽¹⁾	0.58A max				0.72A max				
Integrated Power Supply									
Rating/listing	UL, ULC								
Output	48Vdc								
Wattage	350								
Ports									
Data speed	10/100/1000 Mbps Auto-Sensing Half & Full Duplex								
Ethernet Management	Web GUI via LAN port & IP address					N/A			
Total Ports	10				10				
PoE Ports	8				8				
HPoE Ports	0				4				
SFP Ports	2				2				
Environmental									
Operating Temp.	-30° C ~ +70° C; -22° F ~ +158° F								
Storage Temperature	-40° C ~ +80° C; -40° F ~ +176° F								
Enclosure									
Rating/listing	NEMA 4X-IP65; enclosure UL/ULC listed on its own								
Mechanical									
Dimensions	PWB models: S2-G1 / S4-G1 / S4-L-G1 / S4-P2 & M-S4-P2				PWB models: H2-G1 / H4-G1 / -S8 / S8-P2 / M-S8-C2 & H4S4-P2				
	Metric	Height 254mm x Width 203.20mm x Depth 101.6mm				Height 254mm x Width 203.20mm x Depth 152.40mm			
Imperial	10in x 8in x 4in				10in x 8in x 6in				
Mounting	Pole or wall (Brackets included; Installer must provide Unistrut type clamps for circular pole mounting)								
Pole type	Schedule 40 rigid metal pole; adaptable to other types								
Pole size	4"-6" circular mast								

- (1) Estimations are provided based on the power budgets of installed switches and power supplies. This is not legal advice. Power consumption is estimated based on the worst-case max draw of powered devices and the perfect efficiency of AC power input. KBC cannot claim responsibility or be held liable in the event of power fluctuation or other power related issues.

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