Security PowerBox (SPB)
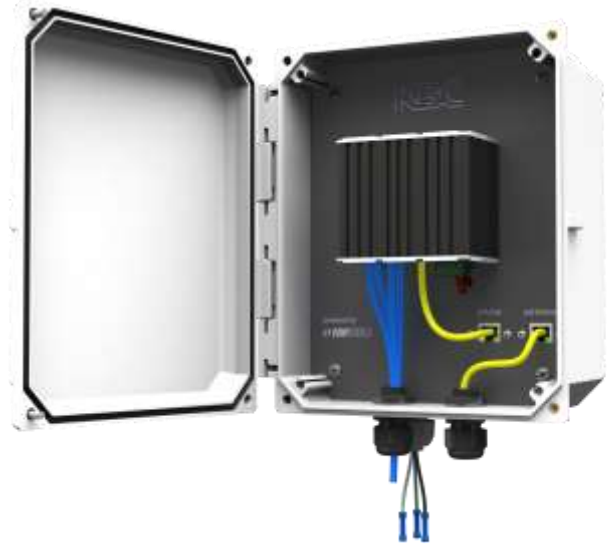## Engineered Power Enclosures for Pole Mounted Security

Product Description

If your company is installing security devices such as IP cameras, intercoms, access control panels, etc. on poles, then it is likely that enclosures, power supplies and hardened switches are sourced from several different vendors. The SPB series wireless PoE kits are designed as "one source" all-in-one solutions as simple add-on sales for a deployment. Ideal for remote camera applications requiring WiFi point-to-point to fiber daisy-chain requirements. All you need is constant power available at a pole. The kits convert high voltage (100Vac - 240Vac) power to low voltage PoE power and are designed to make installation straightforward.

Product Features

- IEEE 802.3af and IEEE 802.3at PoE
- Wall or pole mount configurations
- NEMA 4X rated enclosures
- Plug-and-play design

Included in the Kits

- Pre-engineered power box enclosure with integrated power supply
- Industrial (extreme temperature hardened) PoE Switch; depending on model
- Industrial (extreme temperature hardened) injectors for connectivity device
- Wall or pole mount assembly

Part Numbers

Part Code	Output for IP Device		Connectivity Output	
	#	Type	#	Type
KBC-SPB-1AF-24	1	802.3af 15W	1	24VDC for WES3-AX-CA wireless antenna
KBC-SPB-1AF-48	1	802.3at 15W	1	48VDC for WES3-AX-CF or WES3HTG-AX-CA antenna
KBC-SPB-1AT-24	1	802.3at 30W	1	24VDC for WES3-AX-CA wireless antenna
KBC-SPB-1AT-48	1	802.3at 30W	1	48VDC for WES3-AX-CF or WES3HTG-AX-CA antenna
KBC-SPB-4AF-24	1	802.3at 30W	1	24VDC for WES3-AX-CA wireless antenna
KBC-SPB-4AF-48	1~4	802.3af/at 70W budget	1	48VDC for WES3-AX-CF or WES3HTG-AX-CA antenna
KBC-SPB-4AF-P2	1~4	802.3af/at 100W budget	2	Fiber uplink/downlink; SFP for fiber sold separately
KBC-SPB-HPoE-24	1	PoE++ up to 70W	1	24VDC for WES3-AX-CA series wireless antennas
KBC-SPB-HPoE-48	1	PoE++ up to 70W	1	48VDC for WES3-AX-CF or WES3HTG-AX-CA antenna
KBC-SPB-4AF-48-70W	4	(1) PoE++, (3) PoE <10W	1	48VDC (Designed specifically for WES3HTG series)
KBC-SPB-1AF-TL	1	IEEE802.3af 15W	-	Designed to integrate ThruLink Cellular VPN[1]

(1) Must be ordered with ThruLink 4G LTE series unit to have ThruLink device integrated into SPB enclosure.

Specifications

	KBC-SPB-1AF (-24 /-48)	KBC-SPB-1AT (-24/-48)	KBC-SPB-4AF (-24 / -48)	KBC-SPB-HPoE (-24/-48)	KBC-SPB-4AF-48-70W
Power					
Power Input	100~240Vac				100-120 or 200-240Vac [2]
Power Consumption (110Vac)[3]	0.25A max	0.42A max	0.80A max	0.80A max	1.0A max
Power Consumption (240Vac)[3]	0.11A max	0.20A max	0.37A max	0.37A max	0.46A max
Integrated Power Supply					
Rating/listing	UL, ULC				
Output	24 or 48Vdc depending on extension in model number (i.e., -24 or -48)				48Vdc only
Wattage	100	100	100	100	100
Ports					
Data speed	10/100/1000 Mbps Auto-Sensing Half & Full Duplex				
Total Open Ports	2	2	5	2	5
802.3af PoE Ports	1	0	4	0	3
802.3at PoE Ports	0	1	4	0	
HPoE Ports				1	1
Passive 24Vdc PoE	1 (-24 model only)	1 (-24 model only)	1 (-24 model only)	1 (-24 model only)	0
Passive 48Vdc PoE	1 (-48 model only)	1 (-48 model only)	1 (-48 model only)	1 (-48 model only)	1
PoE Budget (Watts)	15	30	70	70	100
Data Ports	2	2	7 (2 pre-populated)	2	8 (3 pre-populated)
Data Rate	10/100	10/100/1000	10/100/1000	10/100/1000	10/100/1000
Negotiation	Auto Sensing				
Environmental					
Operating Temp.	-30° C ~ +70° C; -20° F ~ +158° F				
Storage Temperature	-40° C ~ +80° C; -20° F ~ +158° F				
Enclosure					
Rating/listing	NEMA 4X-IP65; enclosure UL/ULC listed on its own				
Mechanical					
Dimension (LxWxD)	254mm x 203.20mm x 104.14mm; 10in x 8in x 4in				
Mounting	Pole or wall				
Pole type (suggested)	Schedule 40 rigid metal pole; adaptable to other types				
Pole size (suggested)	4"-6" circular mast *(hose clamps provided for that size)*; kit adaptable to other sizes by use of user-provided mounting equipment				

(2) Power input type is specific and must be predetermined and declared to KBC before product build as power supply AC input switch is inaccessible once the unit is configured.

(3) Estimations provided, not legal advice. Power consumption is estimated based on worse case max draw of powered devices and perfect efficiency of AC power input. KBC cannot claim responsibility or be held liable in event of power fluctuation or other power-related issues. Estimations also based on KBC connectivity device(s) drawing power from "Antenna" port.

KBC-SPB-1AF-24
KBC-SPB-1AF-48
KBC-SPB-1AT-24
KBC-SPB-1AT-48

KBC-SPB-4AF-P2

KBC-SPB-4AF-24
KBC-SPB-4AF-48

KBC-SPB-1AF-TL
with integrated
ThruLink® 4G LTE unit