

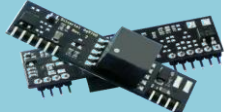
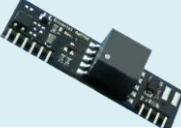
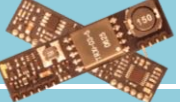
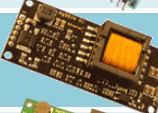



	Product Family	Part No.	Nominal Output Voltage	Max Output	External Components Required	Benefits	
LOW POWER (POE) PD MODULES	<b>Worlds Smallest Isolated Powered Device (PD) Modules</b>	 <b>Ag9900-LPB</b>	<b>Ag9912-LPB</b>	12V	10W	Two Bridge Rectifiers Low Cost Smoothing capacitor	Smallest SMT PD solution. Same pin-out as Ag9900-M/MT but low profile SMT package - Available in Tape & Reel order Ag99XX-LPB-400R. Industrial Temperature Range Over Temperature Protection as standard Class 0 operation SMT package size - 21.7mm (L) x 14.4mm (W) x 8.2mm (H - Seated Height); Auto-placeable
			<b>Ag9905-LPB</b>	5V	7W		
			<b>Ag9903-LPB</b>	3.3V	4.9W		
		 <b>Ag9900-MTB</b>	<b>Ag9924-MTB</b>	24V	12W	Two Bridge Rectifiers Low Cost Smoothing capacitor	
			<b>Ag9912-MTB</b>	12V	12W		
			<b>Ag9905-MTB</b>	5V	9W		
	<b>Isolated Powered Device (PD) Modules</b>	 <b>Ag9700</b>	<b>Ag9712</b>	12V	12W	-S : 2 bridge rectifiers & low cost smoothing capacitor -2BR : Low cost smoothing cap (Bridge Rectifiers are onboard)	Very low cost isolated solution Pin compatible with Ag9400 / Ag9600 Class 0 operation SIL package - 56mm (L) x 18mm (W) x 14mm (H)
			<b>Ag9705</b>	5V	9W		
			<b>Ag9703</b>	3.3V	6W		
		 <b>Ag9700-FL</b>	<b>Ag9724-FL</b>	24V	12W	Low cost smoothing capacitor (Bridge Rectifiers onboard)	Industrial Temperature Over Temperature Protection Very low Ripple Output Programmable Classification Pin compatible & suggested replacement for Ag9000 SIL package - 56mm (L) x 18mm (W) x 14mm (H)
			<b>Ag9712-FL</b>	12V	12W		
			<b>Ag9705-FL</b>	5V	9W		
			<b>Ag9703-FL</b>	3.3V	6W		
		 <b>Ag9200</b>	<b>Ag9205</b>	5V	13W	Two bridge rectifiers & Low cost smoothing capacitor	High efficiency converter Class programming capability SIL package - 56mm (L) x 18mm (W) x 14mm (H)

	Product Family	Part No.	Nominal Output Voltage	Max Output Power	External Components Required	Benefits	
<b>HIGHER POWER (POE+ &amp; POE++) PD MODULES</b>	<b>Worlds Smallest Isolated 30W PD IEEE802.3at</b>	<b>Ag5300</b> 	<b>Ag5324</b> <b>Ag5300</b> 24V 12V	30W 24W	Two low cost bridge rectifiers One low cost smoothing capacitor	Compliant to IEEE802.3at Class 4 operation (IEEE802.3af defaults to class 0) SIL package - 57mm (L) x 14mm (H) x 18mm (W)	
	<b>Worlds Smallest Isolated 30W High Efficiency PD IEEE802.3at</b>	<b>Ag5400</b> 	<b>Ag5424</b> <b>Ag5412</b> <b>Ag5405</b> 24V 12V 5V	30W	Two low cost bridge rectifiers One low cost smoothing capacitor	Compliant to IEEE802.3at Class 4 operation (IEEE802.3af defaults to class 0) Industrial Temperature Range High Efficiency (>93%) - reduction in wasted power SIL package - 57mm (L) x 14mm (H) x 18mm (W)	
	<b>Isolated 100W PD Module IEEE802.3bt</b>	<b>Ag5800</b> 	<b>Ag5800</b>	12V or 24V	85W	Two low cost bridge rectifiers Two low cost smoothing capacitors	85W Max, 72W min over 100m with IEEE802.3bt PSE. Fixed Type 4 Class 8. Short Circuit and Over temperature protection DIL package - 70mm (L) x 35mm (W) x 19.2mm (H)
	<b>Isolated 60W PD IEEE802.3bt</b>	<b>Ag5810</b> 	<b>Ag5810</b>	12V or 24V	60W	Two low cost bridge rectifiers Two low cost smoothing capacitors	60W Max over 100m with IEEE802.3bt PSE. Fixed Type 4 Class 7 DIL package - 70mm (L) x 15.6mm (H) x 30mm (W)
	<b>40W PD-LED Driver IEEE802.3bt</b>	<b>Ag210</b> 	<b>Ag210</b>	40V (+ 5-12V Aux.)	40W (+ 12W Aux.)	Two low cost bridge rectifiers LED Current programming resistor (1206) One low cost smoothing capacitor	40W Max., 40V LED String Output with 12W Programmable Aux Supply. Fixed Type 3 Class 6. I2C Interface on-board to program Dimming, Brightness on Start-up, etc. DIL package - 30mm (L) x 8.6mm (H) x 51mm (W)
<b>PSE MODULES</b>	<b>PSE Module 30W &amp; 60W IEEE802.3af, .at &amp; .bt</b>	<b>Ag6120</b> 	<b>Ag6120</b>	48V/57V	39/74W	No external components required. Recommended Fused input. Pin compatible with Ag6100 / 6110.	Compliant to IEEE802.3 af, .at & .bt standards Programmable Power Output Industrial temperature option as standard. SIL package - 53mm (L) x 14mm (H) x 8mm (D)
	<b>PSE Module 99W IEEE802.3bt</b>	<b>Ag6800</b> 	<b>Ag6800</b>	57V	99W	Recommended Fused input.	Compliant to IEEE802.3bt. Built-in Class programming and safety features. DIL package - 51mm (L) x 35mm (W) x 7mm (H)
<b>DC-DC CONVERTER MODULES</b>	<b>PoL/Buck Converter 8-24V Input; 3-12.7V Output, 10A, Non-isolated</b>	<b>Ag7010</b> 	<b>Ag7010</b>	3V to 12V	120W	Two low cost capacitors; one Electrolytic, one Ceramic. Three chip resistors; one for Output Voltage, two for I2C programming.	SMT flush-mount providing good thermal, electrical and mechanical connection High current delivery (10A @ 12V) High efficiency converter >97% - low running temperature SMT package - 38mm (L) x 15mm (W) x 7.2mm (H) Machine placeable
	<b>Boost Converter 11-27V Input; 48V-57V Output</b>	<b>Ag7100</b> 	<b>Ag7100</b>	48V to 57V	40W	One input plus one output low cost smoothing capacitor. Optional output voltage programming resistor (57V Nominal) .	Provides up to 40W of power at 48V to 57V for IEEE compliant PSE applications. Wide input range of 11V to 27V DC. IEEE compliant 1.5kV DC impulse isolation input to output. DIL package - 51mm (L) x 30mm (W) x 16mm (H)
	<b>Boost Converter 5-15V Input; 36V-57V Output</b>	<b>Ag7200</b> 	<b>Ag7200</b>	36V to 57V	20W	One input plus one output low cost smoothing capacitor. Optional output voltage programming resistor (48V Nominal).	Provides up to 20W of power at 36V to 57V for IEEE compliant PSE applications. Wide input range (5V-15V) with Short-circuit and Thermal protection. IEEE compliant 1.5kV DC impulse isolation input to output. SIL package - 56mm (L) x 18mm (W) x 14mm (H)

Silvertel also designs & manufactures a range of power modules for **Battery Charge Control and Analogue Telecom Interfaces**. All Silvertel's modules are cost optimised and manufactured in the UK ensuring the highest quality at competitive pricing. Visit our website at [www.silvertel.com](http://www.silvertel.com)

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