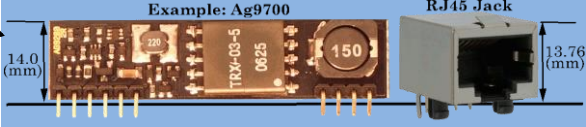


	Product Family	Part No.	Nominal Output Voltage	Max Output Power	External Components Required	Benefits
Worlds Smallest Isolated PoE Powered Device	Ag9900 	Ag9924	24V	12W	Two Bridge Rectifiers Low Cost Smoothing capacitor	M : Standard module Low cost Smallest PD solution available in the world Class 0 operation MT : Provides Over Temperature Protection MT: Operation from -40°C up to +85°C. SMT package size-21mm(L) x 14mm(W) x 13.35mm(H)
		Ag9912	12V	12W		
		Ag9905	5V	9W		
		Ag9903	3.3V	6W		
	Ag9900-LP 	Ag9912-LP	12V	10W	Two Bridge Rectifiers Low Cost Smoothing capacitor	Small PD solution. The same foot print as Ag9900-M and Ag9900-MT but Low Profile . Operation from -40°C up to +85°C. Over Temperature Protection as standard Class 0 operation DIL package size-28mm(L) x 17.8mm(W) x 8mm(H)
		Ag9905-LP	5V	7W		
Ag9903-LP		3.3V	4.9W			
Isolated PoE Powered Device (PD) Modules	Ag9700 	Ag9712	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)
		Ag9705	5V	9W		
		Ag9703	3.3V	6W		
	Ag9700-FL 	Ag9724-FL	24V	12W	Low cost smoothing capacitor (Bridge Rectifiers are onboard)	Industrial Temperature Over Temperature Protection Very low Ripple Output Programmable Classification Pin compatible & suggested replacement for Ag9000 SIL package - 56mm(L) x 18(W) x 14mm(H)
		Ag9712-FL	12V	12W		
		Ag9705-FL	5V	9W		
		Ag9703-FL	3.3V	6W		
	Ag9200 	Ag9205	5V	13W	Two bridge rectifiers & Low cost smoothing capacitor	High efficiency synchronous rectification Class programming capability SIL package - 56mm x 18(W) x 14mm

Why Silvertel?		
Smaller board space	SIL & SMT modules are strategically designed to be the same height or smaller than an RJ45 connector. Max space required is less than 1.0 in ² . Ag9900 series is even smaller.	 <p>Example: Ag9700 RJ45 Jack</p> <p>14.0 (mm) 13.76 (mm)</p>
Safety	Modules are fully tested and compliant to IEEE 802.3af, IEEE 802.3at or IEEE 802.3bt	
Quicker time to market	The modules are optimized PoE circuits. No complex reference designs with many external components	
Low cost solution	Modules are a lower cost solution compared to IC solutions	
Compliance	Tested to meet international EMC standards	

	Product Family	Part No.	Nominal Output Voltage	Max Output Power	External Components Required	Benefits
PD MODULES	Worlds Smallest Isolated 30W PoE+ Powered Device	Ag5300 	Ag5300 12V	30W	Two low cost bridge rectifiers One low cost smoothing capacitor	Compliant to IEEE 802.3at Class 4 operation (IEEE 802.3af defaults to class 0) SIL package - 57mm(L) x 14mm(H) x 18mm(W) Continuous 24W operation at 70°C. * Ag5324 will provide 24W continuous from -40°C up to+85°C.
		Ag5324 *	24V			
	Isolated PoE+ 30W Modules	Ag5200 	Ag5200 12V	30W	Two low cost bridge rectifiers One low cost smoothing capacitor	Compliant to IEEE 802.3at Class 4 operation (IEEE 802.3af defaults to class 0) DIL package - 51mm(L) x 16mm(H) x 30mm(W) Continuous 30W operation at 50°C. -40°C lower operating temp.
	Isolated 60W IEEE802.3bt PoE Modules	Ag5810 	Ag5810 12V or 24V	60W	Two low cost bridge rectifiers Two low cost smoothing capacitors	60W Max over 100m with IEEE802.3bt PSE. Use with Ag6800 or IEEE802.3bt PSE. DIL package - 70mm(L) x 15.6mm(H) x 30mm(W)
	Isolated 100W IEEE 802.3bt PoE Modules	Ag5800 	Ag5800 12V or 24V	100W	Two low cost bridge rectifiers Two low cost smoothing capacitors	100W Max , 72W min over 100m with IEEE802.3bt PSE. Use with Ag6800 or IEEE802.3bt PSE. Fixed Type 4 Class 8. Short Circuit and Over temperature protection Packaging: 70mm(L) x 35mm(W) x 19.2mm (H)
PSE & COMPLEMENTARY MODULES	Single Channel PSE Modules 30W & 60W		Ag6100 48V/57V	39W	No external components required. Recommended Fused input. * Ag7100 & Ag7200 complement the Ag6100 with DC-DC conversion and IEEE isolation for applications up to 30W	Compliant to IEEE 802.3af & 802.3at standards Industrial temperature option as standard Ag6100 only 57V input required for 74W output power from Ag6110 SIL package - 8mm(D)x53mm(L)x14mm(H)
			Ag6110 48V/57V	74W		
	DC-DC Boost Converter for Ag6100 / 802.3at	Ag7100 	Ag7100 48V/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 or 57V for IEEE compliant PSE applications. Wide input range of 11V to 27V DC. IEEE compliant 1.5kV DC impulse isolation input to output. Packaging: 51mm(L) x 30mm(W) x16mm(H)
	DC-DC Boost Converter for Ag6100 / 802.3af	Ag7200 	Ag7200 36V/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) x14mm(H)
	95W IEEE802.3.bt PSE Modules	Ag6800 	Ag6800 57V	95W	Recommended Fused input.	Compliant to IEEE 802.3bt. Use with Ag5800 or IEEE802.3bt PD Built-in Class programming and safety features. Packaging: DIL: 51mm(L)x35mm(W)x7mm(H)

Silvertel manufactures a wide range of power modules for DC-DC Boost converters, Low Voltage LED Drivers, Wireless Power transfer, SLA Battery Charging plus SLIC and Trunk analogue telecom interfaces. All Silvertel's modules are cost optimised and manufactured in the UK ensuring the highest quality at competitive pricing.

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