
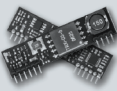

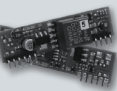






**Non-isolated PoE module**

Family	Part Number	Nominal Output Voltage	Maximum Output Power	External Components Required	Benefits
<b>Ag8100</b> 	<b>Ag8112</b>	12V	12W	Two bridge rectifiers Low cost smoothing capacitor	Smallest solution Class programming capability SMT package (mm) - 32(L) x 18(W) x 11.5(H)
	<b>Ag8105</b>	5V	7W		
	<b>Ag8103</b>	3.3V	5.25W		

**Isolated PoE module**

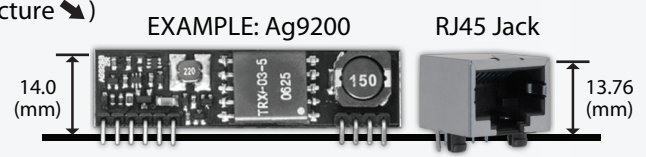
<b>Ag9200</b> 	<b>Ag9205</b>	5V	13W	Two bridge rectifiers Low cost smoothing capacitor	High efficiency synchronous rectification Class programming capability Ag9203 3.3V 10W SIL package (mm) - 56(L) x 18(W) x 14(H)
	<b>Ag9203</b>	3.3V	10W		
<b>Ag9300</b> 	<b>Ag9312</b>	12V	12W	Three low cost bridge rectifiers Two low cost smoothing capacitors	IEEE 802.3af Triple input - PoE / 24V AC / 12V DC DIL pkg (mm) - 51 x 30 x 16
<b>Ag9400</b> 	<b>Ag9424</b>	24V	12W	Two versions available: <b>-S:</b> Two bridge rectifiers Low cost smoothing capacitor <b>-2BR:</b> Low cost smoothing capacitor (Module includes two bridge rectifiers)	Low cost Pin compatible with Ag9000 Low Ripple Class 0 operation SIL package (mm) - 56(L) x 18(W) x 14(H)
	<b>Ag9412</b>	12V	12W		
	<b>Ag9405</b>	5V	10W		
	<b>Ag9403</b>	3.3V	6.6W		
<b>Ag9512</b> 	<b>Ag9512-38</b>	12V	12W	No external components required	Ideal form-factor for IP cameras Class 0 operation Package - 38 (mm): 38 x 38 - 42 (mm): 42 x 42
	<b>Ag9512-42</b>	12V	12W		
<b>Ag9700</b> 	<b>Ag9712</b>	12V	12W	<b>-S:</b> Two bridge rectifiers Low cost smoothing capacitor <b>-2BR:</b> Low cost smoothing capacitors <b>-2BRI:</b> Low cost smoothing capacitors (Industrial temp) <b>-M:</b> Bridge rectifiers and smoothing caps (Surface mount) (2BR and 2BRI include bridge rectifiers)	Lowest cost isolated solution Industrial temperature option Pin compatible with Ag9400 Class 0 operation SIL package (mm) - 56(L) x 18(W) x 14(H) 9700-M package (mm) - 32(L) x 23(W) x 18(H)
	<b>Ag9705</b>	5V	9W		
	Industrial Temp Version Available				





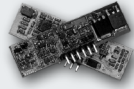
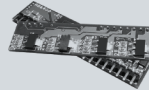

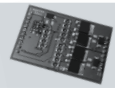

**Isolated PoE+ 30W modules**

<b>Ag5100</b> 	<b>Ag5100</b>	12V or 24V	30W	Two low cost bridge rectifiers Three low cost smoothing capacitors	Compliant to IEEE 802.3at Class 4 operation (IEEE 802.3af defaults to class 0) DIL package (mm) - 70(L) x 30(W) x 14(H)
<b>Ag9300</b> 	<b>Ag9330</b>	12V	30W	Three low cost bridge rectifiers Two low cost smoothing capacitors	Ag9330 - IEEE 802.3at Triple input - PoE / 24V AC / 12V DC Ag9330 DIL pkg (mm) - 60 x 30 x 16

**Why SilverTel?**

- Smaller Board Space** Modules are strategically designed to be about the same height as an RJ45 connector. Max space required is less than 1.0 in<sup>2</sup> (See picture ↘)
- Safety** Modules are compliant to IEEE 802.3af or IEEE 802.3at
- 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



Family	Part Number	Nominal Output Voltage	Maximum Output Power	External Components Required	Benefits	
<b>Isolated PoE 60W modules</b>	 <b>Ag5500</b>	12V or 24V	60W	Two low cost bridge rectifiers Three low cost smoothing capacitors	Class programming capability Packaging: Half brick (mm) - 59(L) x 61(W) x 20(H)	
<b>Isolated PoE 100W modules</b>	 <b>Ag5600</b>	24V	88W	Two low cost bridge rectifiers Three low cost smoothing capacitors	Only 88W solution available Compatible with IEEE 802.3af, 802.3at & PoH standards HDBaseT Compatible Packaging (mm): 59(L) x 61(W) x 20(H)	
<b>Isolated PoE 200W PD modules</b>	 <b>Ag5700</b>	24V	200W	Two bridge rectifiers One low cost smoothing capacitor	With Ag6700: Only 200W PoE solution available 9mm thick to enable use of flat screen TV Several built-in protective safety features Package (mm) - 132(L) x 77(W) x 9(H)	
<b>Single Channel 30W PSE module</b>		<b>Ag6100-S</b>	48V / 57V	39W	No external components required	Compliant to IEEE 802.3af / 802.3at standards Class programming capability Industrial temperature option available SIL package (mm) - 53(L) x 8(W) x 14(H)
		<b>Ag6100-SI</b>				
<b>Single Channel 60W PSE module</b>	 <b>Ag6100-HP</b>	48V / 57V	60W	No external components required	Compliant to IEEE 802.3af / 802.3at standards 57V input required if 60W output power is needed Class programming capability Industrial temperature option available SIL package (mm) - 53(L) x 8(W) x 14(H)	
<b>4 Channel PSE module</b>	 <b>Ag6400-S</b>	48V / 56V	30W / channel	No external components required	Compliant to IEEE 802.3af / 802.3at standards Class programming capability Supports hardware and software modes SIL package (mm) - 56(L) x 8(W) x 14(H)	
<b>100W PSE module</b>	 <b>Ag6600</b>	58V	100W	No external components required	With Ag5600: Only 100W PoE solution available Compatible with IEEE 802.3af, 802.3at & PoH standard HDBaseT Compatible	
<b>230W PSE module</b>	 <b>Ag6700</b>	58V	230W	No external components required	With Ag5700: Only 200W PoE solution available Several built-in protective safety features DIL package (mm) - 51(L) x 51(W) x 7(H)	
<b>Power splitter</b>	 <b>PA1212</b>	<ul style="list-style-type: none"> <li>• IEEE802.3af compliant</li> <li>• Regulated 12V DC output</li> <li>• Low output ripple and noise</li> <li>• Wide input voltage range</li> <li>• Overload and short-circuit protection</li> </ul>		<ul style="list-style-type: none"> <li>• 1500V isolation (input to output)</li> <li>• Simple installation</li> <li>• CE and FCC part 15 certified</li> <li>• Enables PoE functionality for legacy products</li> </ul>		