Data sheet

DANTECH ELECTRONIC ENGINEERING

DA1100

SecurePoE™ Multispan

- ***Includes pre-patched Cisco 5-Port Gigabit network switch***
- ***High efficiency power supply providing 100% power availability to each PoE port***
- ***SecurePoE™ is provided in secure enclosures, with monitoring functions and fast cable entries***
- ***Designed to allow installers to connect to PoE powered devices allowing easier installation, set-up and maintenance***
- ***Power status LEDs for quick visual diagnosis of system status***
- ***Network data infrastructure issues do not affect the supply of PoE power***
- ***Further information available at www.Dantech.uk.com***

CCTV – Intercoms – Access Control - VOIP

A power over Ethernet multispan power supply with secure enclosure and monitoring. Every SecurePoE™ unit complies with the IEEE 802.3:2012 standard (IEEE 802.3at/IEEE 802.3af). SecurePoE™ units will provide the full 30W of power to every port. All units are housed in secure tamper protected cases.

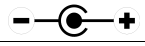
One, two or four PoE output wall mount versions are available in secure indoor or exterior enclosures. 1U Rack-mount versions are available with 4 PoE ports per unit.

The PoE outputs have LED indication to show if a compatible device is connected and powered. In addition there are SPCO clean contacts for monitoring the power status of each output.

PoE multispan devices combine the reliability of a midspan device with the ease of an endspan unit.

The pre-patched unmanaged switch allows for one data connection (e.g. from network) to be connected to up to 4 PoE powered devices, whilst providing reliable power to these devices.

Multispan units can be located 100 meters away from existing network infrastructure and attached devices can be a further 100 meters from the SecurePoE™ Multispan unit.

Output			
PoE Ports	DA1100-IN-1 DA1100-EX-1 -	DA1100-IN-2 DA1100-EX-2 -	DA1100-IN-4 DA1100-EX-4 DA1100-RM-4
	1 x 30W	2 x 30W	4 x 30W
Voltage	55V DC *(nominal)*		
Current	Maximum 0.55A *(30W)* per port		
Connection type	RJ45 - Plug & play		
Status indication	LED indication; *Flashing = PoE device connected, no power requested* *On = PoE device connected, power enabled* *Off = PoE device not detected*		
Compatibility	IEEE 802.3:2012 *(IEEE 802.3at & IEEE 802.3af, full backward compatibility)*		
Data rate	DA1100-*x*-*x*-G		
	10BASE-T 100BASE-TX 1000BASE-T (Gigabit)		
Power class detection	Automatic class 0, 1, 2, 3, 4 detection		
Mode	Mode B *(Delivers power over spare pairs on 10/100 networks only)*		
Internal network switch power	12V 1A *(5.5mm connector)* 		

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Monitoring contacts – (individual output status & unit power fault switching)			
Contact configuration	Single pole change over		
Rating	Maximum switching 30V 1A AC/DC		
Connection type	Rising clamp PCB terminal block (2.5mm²)		
Input			
Voltage	90-270V AC, 47-63Hz		
Power consumption	≤ 132VA *- Built-in active PFC function, PF>0.96*		
Connection type	DA1100-IN-*x*-G DA1100-EX-*x*-G		DA1100-RM-4-G
	10mm² internal terminal block (3 x 1.5mm² or 2 x 2.5mm²)		C14 IEC connector *(Kettle lead)*
Fused	3A Mains 1" fuse (BS1362)		6.3A Mains QB 20 x 5mm Glass fuse
Mains on indication	LED indication		Neon indicator
Environmental			
Operating temperature	-10°C to +40°C		
Storage temperature	-20°C to +50°C		
Operating relative humidity	Maximum 95% non-condensing		
Ingress protection	**DA1100-IN-*x*-G DA1100-RM-*x*-G**		**DA1100-EX-4-G**
	IP20		IP66
Dimensions*			
	DA1100-IN-*x*-G	DA1100-EX-*x*-G	DA1100-RM-4-G
Width	250mm	280mm	478mm (19" Rack-mount)
Height	330mm	340mm	44mm (1U)
Depth	125mm	130mm	380mm (15")
Weight	≤ 2.9Kg	≤ 2.5Kg	≤ 5.3Kg
Enclosure material	Mild steel	Acrylontrile Butadiene Styrene (ABS)	Mild steel
Finish	Powder coated White RAL9016	Grey RAL9003	Powder coated Black RAL9005
Other			
Estimated MTBF	50,000 hours		
CE Approved	Yes		
Tamper switch	Yes		

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