Data sheet

DANTECH
ELECTRONIC ENGINEERING

DA1110

*Secure**PoE**™ **Multispan**UPS™*

- ■ *Includes pre-patched Cisco 5-Port Gigabit network switch* *(powered by MultispanUPS™)*

- ■ *High efficiency power supply providing 100% power availability to each PoE port*

- ■ *Secure**PoE**™ 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*

- ■ *Multispan**UPS**™ maintains power with VRLA battery back-up for the Secure**PoE**™ unit, Cisco network switch and attached PoE devices in case of mains failure*

- ■ *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 Secure**PoE**™ unit complies with the *IEEE 802.3:2012* standard *(IEEE 802.3at/IEEE 802.3af)*. Secure**PoE**™ 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 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 Secure**PoE**™ Multispan unit.

Output			
PoE Ports	DA1110-IN-1 DA1110-EX-1 -	DA1110-IN-2 DA1110-EX-2 -	DA1110-IN-4 DA1110-EX-4 DA1110-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	DA1110-*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)
Battery low voltage signalling threshold	46V *(nominal)*
Battery low voltage disconnect threshold	42.5V *(nominal)*

Input

Voltage	90-270V AC, 47-63Hz	
Power consumption	≤ 132VA *- Built-in active PFC function, PF>0.96*	
Connection type	DA1110-IN-*x*-G DA1110-EX-*x*-G	DA1110-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	DA1110-IN-*x*-G DA1110-RM-*x*-G	DA1110-EX-*x*-G
	IP20	IP66

Dimensions*

	DA1110-IN-*x*-G	DA1110-EX-*x*-G	DA1110-RM-4-G *(Excluding remote battery pack.)*
Width	400mm	400mm	478mm (19" Rack-mount)
Height	500mm	500mm	44mm (1U)
Depth	155mm	200mm	380mm (15")
Weight	≤ 16.5Kg	≤ 16Kg	≤ 5Kg
Enclosure material	Mild steel	Steel	Mild steel
Finish	Powder coated White RAL9016	Grey RAL7032	Powder coated Black RAL9005

Battery pack

Note: Rack-mount versions with 4 ports have one battery pack Rack-mount versions with 8 ports have TWO battery packs	Indoor (DA1110-IN-*x*)	Exterior (DA1110-EX-*x*)	Rack-mount (DA1110-RM-4)
Replacement battery pack code	DA1110-IN-BATT	DA1110-EX-BATT	DA1110-RM-BATT
VRLA battery capacity	10Ah	10Ah	10Ah
Width	310mm	310mm	270mm
Height	145mm	145mm	155mm
Depth	150mm	150mm	195mm
Weight	≤ 13.5Kg	≤ 13.5Kg	≤ 14Kg

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Other	
Estimated MTBF	50,000 hours
CE Approved	Yes
Tamper switch	Yes

- *Other battery pack capacities available, e.g. DA1110 & DA1110. Please see chart to calculate your requirements.*

Estimated stand-by times			
Output load	Battery capacity		
	1.2Ah	7Ah	10Ah
12W	4 Hours	30 Hours	44 Hours
25W	1.75 Hours	14.5 Hours	20 Hours
50W	40 Minutes	6.5 Hours	9.5 Hours
75W	23 Minutes	4 Hours	6 Hours
100W	14 Minutes	2.75 Hours	4 Hours