DA1007

SecurePoE™ MidspanUPS™

- ***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***
- ***MidspanUPS™ provides battery back-up for PoE devices in case of mains failure, maintaining device power***
- ***Further information available at www.Dantech.uk.com***

CCTV – Intercoms – Access Control - VOIP

A power over Ethernet midspan 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. SecurePoE™ MidpanUPS™ power supplies are fitted with Yuasa battery packs to maintain power to connected PoE devices during mains failure.

One, two or four output wall mount versions are available in secure indoor or exterior enclosures.

Rack-mount versions are available with 4 or 8 ports per unit. Rack versions have a remote battery pack to allow the MidspanUPS to remain in a 1U profile. Battery packs can be mounted remotely from the rack where space is available. Each output has an RJ45 data port, (e.g. from the network switch) and an RJ45 load port for the PoE device, that outputs the data and power.

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. The units also have power on LED indication and SPCO clean contacts to signal power failure and low battery voltage; as well as battery disconnect deep discharge protection.

Output				
Ports	DA1007-IN-1 DA1007-EX-1 -	DA1007-IN-2 DA1007-EX-2 -	DA1007-IN-4 DA1007-EX-4 DA1007-RM-4	- - DA1007-RM-8
	1 x 30W	2 x 30W	4 x 30W	8 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	DA1007-*x-x*		DA1007-*x-x*-G	
	10BASE-T 100BASE-TX		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)*			

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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	DA1007-IN-***x*** DA1007-IN-***x***-G DA1007-EX-***x*** DA1007-EX-***x***-G	DA1007-RM-***x*** DA1007-RM-***x***-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	DA1007-IN-***x*** DA1007-IN-***x***-G DA1007-RM-***x*** DA1007-RM-***x***-G	DA1007-EX-***x*** DA1007-EX-***x***-G
	IP20	IP66

Dimensions*			
	DA1007-IN-***x*** DA1007-IN-***x***-G	DA1007-EX-***x*** DA1007-EX-***x***-G	DA1007-RM-***x*** DA1007-RM-***x***-G *(Excluding remote battery pack.)*
Width	400mm	400mm	478mm (19" Rack-mount)
Height	500mm	500mm	44mm (1U)
Depth	155mm	200mm	380mm (15")
Weight	≤ 12Kg	≤ 11.5Kg	≤ 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 (DA1007-IN-***x***)	Exterior (DA1007-EX-***x***)	Rack-mount (DA1007-RM-***x***)
Replacement battery pack code	DA1007-IN-BATT	DA1007-EX-BATT	DA1007-RM-BATT
VRLA battery capacity	7Ah	7Ah	7Ah
Width	310mm	310mm	270mm
Height	145mm	145mm	155mm
Depth	150mm	150mm	195mm
Weight	≤ 9Kg	≤ 9Kg	≤ 10Kg

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

- *Other battery pack capacities available, e.g. DA1007 & DA1010. 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*