

## DA1001

## 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](http://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™ MidspanUPS™ 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	DA1001-IN-1 DA1001-EX-1 -	DA1001-IN-2 DA1001-EX-2 -	DA1001-IN-4 DA1001-EX-4 DA1001-RM-4	- - DA1001-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; <i>Flashing = PoE device connected, no power requested</i> <i>On = PoE device connected, power enabled</i> <i>Off = PoE device not detected</i>			
Compatibility	IEEE 802.3:2012 (IEEE 802.3at & IEEE 802.3af, full backward compatibility)			
Data rate	DA1001- <b>x-x</b>		DA1001- <b>x-x-G</b>	
	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)			

The enclosed information is believed to be correct. Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E&OE. Registered Proprietor: Benham (General Engineers) Ltd (No. 1181752) Registered at 3 Galliford Road Industrial Estate, Heybridge, Maldon, Essex CM9 4XD, UK. Directors: R.A.Scott, K.E.Horwood, T.J.Scott, N.J.Scott. VAT Reg. GB 28276273 Tel:+44(0)1621 856 850 Fax:+44(0)1621 856 162 sales@dantech.uk.com

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**Monitoring contacts – (individual output status & unit power fault switching)**

Contact configuration	Single pole change over
Rating	Maximum switching AC/DC 30V 1A
Connection type	Rising clamp PCB terminal block (2.5mm <sup>2</sup> )
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	DA1001-IN- <b>x</b>	DA1001-EX- <b>x</b>	DA1001-RM- <b>x</b>
	DA1001-IN- <b>x</b> -G	DA1001-EX- <b>x</b> -G	DA1001-RM- <b>x</b> -G
	10mm <sup>2</sup> internal terminal block (3 x 1.5mm <sup>2</sup> or 2 x 2.5mm <sup>2</sup> )		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	DA1001-IN- <b>x</b>	DA1001-RM- <b>x</b>	DA1001-EX- <b>x</b>
	DA1001-IN- <b>x</b> -G	DA1001-RM- <b>x</b> -G	DA1001-EX- <b>x</b> -G
	IP20		IP66

**Dimensions\***

	DA1001-IN- <b>x</b> DA1001-IN- <b>x</b> -G	DA1001-EX- <b>x</b> DA1001-EX- <b>x</b> -G	DA1001-RM- <b>x</b> DA1001-RM- <b>x</b> -G (Excluding remote battery pack.)
Width	250mm	280mm	478mm (19" Rack-mount)
Height	330mm	340mm	44mm (1U)
Depth	125mm	130mm	380mm (15")
Weight	≤ 5.3Kg	≤ 4.9Kg	≤ 5Kg
Enclosure material	Mild steel	Acrylonitrile Butadiene Styrene (ABS)	Mild steel
Finish	Powder coated White RAL9016	Grey RAL9003	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 (DA1001-IN- <b>x</b> )	Exterior (DA1001-EX- <b>x</b> )	Rack-mount (DA1001-RM- <b>x</b> )
Replacement battery pack code	DA1001-IN-BATT	DA1001-EX-BATT	DA1001-RM-BATT
VRLA battery capacity	1.2Ah	1.2Ah	1.2Ah
Width	240mm	240mm	205mm
Height	100mm	100mm	100mm
Depth	60mm	60mm	148mm
Weight	2.7Kg	2.7Kg	2.9Kg

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## 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