Data sheet

DANTECH
ELECTRONIC ENGINEERING

DA1000

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SecurePoE

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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.

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

1U Rack-mount versions are available with 4 or 8 ports per unit. 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.

Output				
Ports	DA1000-IN-1 DA1000-EX-1 -	DA1000-IN-2 DA1000-EX-2 -	DA1000-IN-4 DA1000-EX-4 DA1000-RM-4	- - DA1000-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	DA1000-*x-x*		DA1000-*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)*			

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	DA1000-IN-*x* DA1000-EX-*x* DA1000-IN-*x*-G DA1000-EX-*x*-G	DA1000-RM-*x* DA1000-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

Revision EN_15-01-20-12-29-53

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Ingress protection	DA1000-IN-*x* DA1000-RM-*x* DA1000-IN-*x*-G DA1000-RM-*x*-G	DA1000-EX-*x* DA1000-EX-*x*-G
	IP20	IP66

Dimensions*			
	DA1000-IN-*x* DA1000-IN-*x*-G	DA1000-EX-*x* DA1000-EX-*x*-G	DA1000-RM-*x* DA1000-RM-*x*-G
Width	220mm	190mm	478mm (19" Rack-mount)
Height	295mm	280mm	44mm (1U)
Depth	62mm	130mm	380mm (15")
Weight	≤ 2.6Kg	≤ 2.2Kg	≤ 5Kg
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