

ServPoET

BMS 200/500/800 - Access Concentrator



PPPoE Broadband Residential Access Server (BRAS)



The BMS 200, 500 and 800 are designed for high-performance server clustering and the service-provider-critical application of terminating PPPoE sessions. Multifunction

front-panel LEDs offer at-a-glance notification of CPU, chassis, and environment thermal status.

ServPoET BMS solutions provide high-density PPPoE termination that minimizes rack utilization and power consumption. ServPoET BMS 200, 500, and 800 can terminate 1000, 3000, and 6000 simultaneous sessions, respectively, in only 1U of rack space. The ServPoET BMS solution is also only 16" deep - half the depth of a traditional rack.

ServPoET BMS is the most economical PPPoE termination solution on the market. ServPoET's proprietary SmartCluster™ technology lets you seamlessly add ServPoET capacity as you grow your service.

Key Benefits

- Small Form Factor**
Up to 6,000 simultaneous subscriber sessions in 1U of rack space, and is only 16" deep, half the depth of a standard rack.
- Easy upgrade**
From 1,000 simultaneous subscriber sessions to 6,000 in a single 1U form factor as well as for new releases of the ServPoET Network Operating System (NOS).
- Multiple Protocol Encapsulation Support**
Point to Point Protocol over Ethernet (PPPoE), Point to Point Protocol over Ethernet over ATM (PPPoEoA), Point to Point Protocol over ATM (PPPoA), Bridged ATM (1483 / 2684) over Ethernet, Layer 2 Tunneling Protocol (L2TP, LAC/LNS), and 802.1q (Tagged VLAN), allowing for multiple different types of subscriber aggregation.





Products Specifications

MODEL	BMS 200	BMS 500	BMS 800
Processor:	Intel Pentium 4, 2.4GHz	Intel Pentium 4, 2.4GHz	Intel Pentium 4, 2.4GHz
Operating System:	ServPoET NOS	ServPoET NOS	ServPoET NOS
Memory:	512mb DDR, 266MHZ, 2X256 DIMM	1.0GB DDR, 266MHZ, 2X512 DIMM C1,	2.0GB DDR, 266MHZ, 2X1GB DIMM
Hard Drive Configuration:	C1, Motherboard IDE, Ascending Order,	Motherboard IDE, Ascending Order, 1 HD	C1, Motherboard IDE, Ascending Order,
1st Hard Drive:	128 Flash RAM IDE Hard Drive	128 Flash RAM IDE Hard Drive	128 Flash RAM IDE Hard Drive
Network Adapters:	Intel Pro 1000MT Gigabit Dual Port NIC	Intel Pro 1000MT Gigabit Dual Port NIC	Intel Pro 1000MT Gigabit Dual Port NIC
Optional Interfaces	None	DS3, OC3, OC-12	DS3, OC3, OC-12
Keyboard:	No Keyboard	No Keyboard	No Keyboard
Mouse:	No Mouse Option	No Mouse Option	No Mouse Option
Monitors:	No Monitor Option	No Monitor Option	No Monitor Option
Chassis			
Form Factor:	1U	1U	1U
Height:	4.2 cm (1.68 in)	4.2 cm (1.68 in)	4.2 cm (1.68 in)
Width:	42.42 cm (16.7 in)	42.42 cm (16.7 in)	42.42 cm (16.7 in)
Depth:	55.5 cm (21.9 in)	55.5 cm (21.9 in)	55.5 cm (21.9 in)
Weight:	27 lbs	27 lbs	27 lbs
Configuration:	No Rails Included	No Rails Included	No Rails Included
Ports			
Rear:	1 9-pin serial, Video, PS/2 mouse, PS/2 keyboard, ID push button with blue/amber LED	1 9-pin serial, Video, PS/2 mouse, PS/2 keyboard, ID push button with blue/amber LED	1 9-pin serial, Video, PS/2 mouse, PS/2 keyboard, ID push button with blue/amber LED
Front:	ID push button with blue/amber LE	ID push button with blue/amber LED	ID push button with blue/amber LED
Other			
Power	1 x 230W (non-redundant), 110/220 Volts	1 x 230W (non-redundant), 110/220 Volts	1 x 230W (non-redundant), 110/220 Volts
Graphics	On-board video ATI Rage XL	On-board video ATI Rage XL	On-board video ATI Rage XL
Environmental			
Operating Temperature:	10° C to 35° C (50° F to 95° F)	10° C to 35° C (50° F to 95° F)	10° C to 35° C (50° F to 95° F)
Operating Relative Humidity:	8% to 80% (non-condensing)	8% to 80% (non-condensing)	8% to 80% (non-condensing)
Operating Maximum	0.25G at 3Hz to 300Hz for 15 minutes	0.25G at 3Hz to 300Hz for 15 minutes	0.25G at 3Hz to 300Hz for 15 minutes
Vibration:	5G for 11ms	5G for 11ms	5G for 11ms
Operating Maximum Shock:	-16m to 3,048m (-50 ft to 10,000 ft)	-16m to 3,048m (-50 ft to 10,000 ft)	-16m to 3,048m (-50 ft to 10,000 ft)
Operating Altitude:	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149° F)
Storage Temperature:	5% to 95% (non-condensing)	5% to 95% (non-condensing)	5% to 95% (non-condensing)
Storage Relative Humidity:	0.5G at 3Hz to 300Hz for 15 minutes	0.5G at 3Hz to 300Hz for 15 minutes	0.5G at 3Hz to 300Hz for 15 minutes
Storage Maximum Vibration:	20G with a velocity change of 1397mm/sec	20G with a velocity change of 1397mm/sec	20G with a velocity change of 1397mm/sec
Storage Maximum Shock:	1397mm/sec	1397mm/sec	1397mm/sec
Storage Altitude:	-16m to 10,600m (-50 ft to 35,000 ft)	-16m to 10,600m (-50 ft to 35,000 ft)	-16m to 10,600m (-50 ft to 35,000 ft)
Regulatory			
	FCC (U.S. only) Class A DOC (Canada) Class A CE Mark (EN 55022 Class A, EN55024, EN61000-3-2, EN61000-3-3, EN60950) VCCI Class A UL 1950 CSA 950 EN 60950 IEC 60950	FCC (U.S. only) Class A DOC (Canada) Class A CE Mark (EN 55022 Class A, EN55024, EN61000-3-2, EN61000-3-3, EN60950) VCCI Class A UL 1950 CSA 950 EN 60950 IEC 60950	FCC (U.S. only) Class A DOC (Canada) Class A CE Mark (EN 55022 Class A, EN55024, EN61000-3-2, EN61000-3-3, EN60950) VCCI Class A UL 1950 CSA 950 EN 60950 IEC 60950



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