

# Stonesoft™ Modules

February 2012

## Modules for Stonesoft™ Modular Appliances Datasheet

### ETHERNET MODULES



<b>GE6</b>		<b>MOD-EM1-GE-6</b>	
Six Port Gigabit Ethernet Copper Module			
Speed	10/100/1000 Mbit/s	Ports	6
Standard	1000Base-T, 100Base-TX, 10Base-T		
Operating temperatures	0°C – 50°C (32°F - 122°F)	Weight	450g (0.99 lb)



<b>GE8</b>		<b>MOD-EM1-GE-8</b>	
Eight Port Gigabit Ethernet Copper Module			
Speed	10/100/1000 Mbit/s	Ports	8
Standard	1000Base-T, 100Base-TX, 10Base-T		
Operating temperatures	-5°C – 45°C (23°F - 133°F)	Weight	500 (1.10 lb)



<b>GE4SFP</b>		<b>MOD-EM1-GE-SFP-4</b>	
Quad Port SFP Gigabit Ethernet Module			
Speed	1 000 Mbit/s	Ports	4
Standard	SFP Gigabit Ethernet (1000Base-SX, 1000Base-LX10, 1000Base-T)		
Operating temperatures	0°C – 50°C (32°F - 122°F)	Weight	420g (0.92 lb)



<b>10GSFP2</b>		<b>MOD-EM1-10G-SFP-2</b>	
Dual Port (SFP+) 10GB Module			
Speed	10 Gbit/s	Ports	2
Standard	SFP+ 10 Gigabit Ethernet		
Operating temperatures	0°C – 50°C (32°F - 122°F)	Weight	430g (0.94 lb)

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## BYPASS ETHERNET MODULES



<b>GE4B</b>		<b>MOD-EM1-GE-4-B</b>	
Quad Port Gigabit Ethernet Copper Bypass Module			
Speed	10/100/1000 Mbit/s	Ports	4 (2 pairs)
Standard	1000Base-T, 100Base-TX, 10Base-T		
Operating temperatures	0°C – 50°C (32°F - 122°F)	Weight	440g (0.97 lb)



<b>GESX4B</b>		<b>MOD-EM1-GE-SX-4-B</b>	
Quad Port Gigabit Ethernet Fiber (SX) Bypass Module			
Speed	1 000 Mbit/s	Ports	4 (2 pairs)
Standard	1000Base-SX, LC connectors	Wave length	850nm
Maximum link length **	Multi-mode fiber: 137m at 62.5µm		
Operating temperatures	0°C – 50°C (32°F - 122°F)	Weight	430g (0.94 lb)



<b>10GSR2B</b>		<b>MOD-EM1-10G-SR-2-B</b>	
Dual Port Fiber (SR) 10GB Bypass Module			
Speed	10 Gbit/s	Ports	2 (1 pair)
Standard	10GBASE-SR, LC connectors	Wave length	850nm
Maximum link length ** Multi-mode fiber	Multi-mode fiber: 137m at 62.5µm		
Operating temperatures	0°C – 50°C (32°F - 122°F)	Weight	430g (0.94 lb)



<b>10GLR2B</b>		<b>MOD-EM1-10G-LR-2-B</b>	
Dual Port Fiber (LR) 10GB Bypass Module			
Speed	10 Gbit/s	Ports	2 (1 pair)
Standard	10GBASE-LR, LC connectors	Wave length	1310nm
Maximum link length **	Single-mode fiber: 5000m at 9µm		
Operating temperatures	0°C – 50°C (32°F - 122°F)	Weight	490g (1.08 lb)

\*\* Maximum link length defined as half a distance as stated by the IEEE 802.3 standard

## SFP TRANSCEIVERS



TX SFP		MOD-SFP-GE-TX	
Copper SFP Transceiver			
Speed	10/100/1000 Mbit/s		
Standard	1000Base-T, 100Base-TX, 10Base-T		
Operating temperatures	0°C to 70°C (32°F to 158°F)		



SX SFP		MOD-SFP-GE-SX	
Gigabit Ethernet Multi-mode SFP Transceiver			
Speed	1 000 Mbit/s		
Standard	1000Base-SX, LC connectors	Wave length	850nm
Maximum link length Multi-mode fiber	550m on 50µm OM2 and 300m on 62.5µm OM1		
Operating temperatures	0°C - 70°C (32°F - 158°F)		



LX10 SFP		MOD-SFP-GE-LX10	
Gigabit Ethernet Single-mode SFP Transceiver			
Speed	1 000 Mbit/s		
Standard	1000Base-LX10, LC connectors	Wave length	1310nm
Maximum link length Single-mode fiber	10km on single-mode fiber		
Operating temperatures	0°C - 70°C (32°F - 158°F)		



SR SFP+		MOD-SFP-10G-SR	
10 Gigabit Ethernet Multi-mode SFP+ Transceiver			
Speed	10 Gbit/s		
Standard	10GBASE-SR, LC connectors	Wave length	850nm
Maximum link length Single-mode fiber	300m on 50µm OM3 2000 MHz-km 66m on 50µm 400 MHz-km 26m on 62.5µm 166 MHz-km 82m on 50µm OM2 500 MHz-km 33m on 62.5µm OM1 200 MHz-km		
Operating temperatures	0°C - 70°C (32°F - 158°F)		



LR SFP+		MOD-SFP-10G-LR	
10 Gigabit Ethernet Multi-mode SFP+ Transceiver			
Speed	10 Gbit/s		
Standard	10GBASE-LR, LC connectors	Wave length	1310nm
Maximum link length Single-mode fiber	10km on 9µm single-mode fiber		
Operating temperatures	0°C - 70°C (32°F - 158°F)		