

PMGBE-BRD

Dual Gigabit redundant PMC module

2 ports 10/100/1000 Base-T supports (auto detect) and Auto-MDI-X for cabling recognition on each port

PCI-X up to 133MHz Bus Speed

Virtual Cable Tester

Advanced Power Management (ACPI 2.0)

SNMP MIB Statistic Specification

Dynamic Interrupt Moderation

Promiscuous Mode

Multicast Mode

System Management Bus Interface for ASF/IPMI with integrated on chip controller

Wake on LAN

Jumbo Frame support

TCP Segmentation (Large Send)

TCP, UDP and IP checksum offload

Sensor support for Voltage and Temperature

Parity monitoring on all data path

(RLMT) support
Redundant Link Management Technology



The **PMGBE-BRD** Gigabit Ethernet Adapter is a 10/100/1000 Base-T Dual Port Server Adapter with a PMC interface and 2x copper RJ-45 connectors. The board is also available with 2x fiber LC duplex connectors.

The **PMGBE-BRD** offer parity monitoring on all data path, 96KB ultra deep memory for each port, sensor support for Voltage and Temperature. The board offers also as Boot Option the Standard PXE 2.1 (Pre-Boot eXecution environment) and RPL (Remote Program Load).

Software driver (including support for RLMT) available for: Windows NT4, 98 SE, ME, 2000, XP, 2003 Server, LINUX kernel 2.4.13 and higher, LynxOS 4.0 and VxWorks.

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SPECIFICATION

Safety Standard
CSA, CB, CE,

EMC
CE, FCC Class B, VCCI

Network Connector
2 ports with
10/100/1000Base-T Giga-
bit Ethernet over CAT5 UTP
(RJ-45 connector) or 2
ports with 1000Base-SX LC
connector

Bus Interface
PCI 2.3 compliant, Bus
Speed up to 133MHz

Standard Comp.

IEEE 802.3x
IEEE 802.1p
IEEE 802.1q/
IEEE 802.3ac
IEEE 802.3ad
IEEE 802.3ab
IEEE 802.3 and I
EEE 802.3u

Driver Support

Windows: NT4, 98 SE, ME,
2000, Server 2003,
Linux: Kernel 2.4.13 and
higher
LynxOS: 4.0.0 for Intel and
PPC
VxWorks: 5.5 (Tornado 2.2
IDE) [soon available]

Operating Temp.
0° to +50° C

Storage Temp.
-40° to +85° C

Humidity
90% noncondensing
@ 35°C
(without coating)

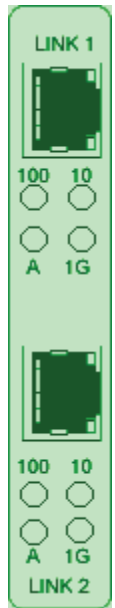
Shock
20g 11ms

Reliability
MTBF: 327.000 hours GB25
(MIL-HDBK-217F)

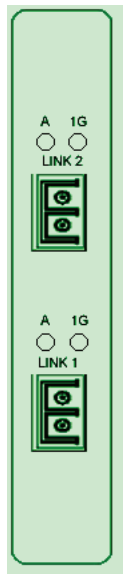
Power Requirement
+ 5 VDC (+/- 5%)
@ 1200mA max

LED DISPLAY

Marking on bracket	Color	Status	Description
10	Green	ON/OFF	Link up/down, speed 10Mbps/s
100	Green	ON/OFF	Link up/down, speed 100Mbps/s
1G	Green	ON/OFF	Link up/down, speed 1000Mbps/s
A	Green	ON/OFF	Receiving/ Transmitting/ Not Receiving/Non Transmitting



Marking on bracket	Color	Status	Description
1G	Green	ON/OFF	Link up/down, speed 1000Mbps/s
A	Green	ON/OFF	Receiving/ Transmitting/ Not Receiving/Non Transmitting



ORDER INFORMATION

Model Number	Description
EHWP-PMGBE-BRD	PMC Gigabit Ethernet Adapter (RJ45)
EHWP-PMGBE-BRD/F	The same with fiber LC duplex
N.B.: add /C option for conformal coating	
Related Products	
ESWP-PMGBL-DRV/x	LynxOS driver(x=[I,P] for Intel/PPC platform) binary copy
ESWP-PMGBV-DRV/x	VxWorks driver (soon available)