

LKV-402

PowerPC VMEbus Communication Board



LKV-402 보드는 VMEbus Master, Slave, System Controller 기능을 가지고 있으며, 보드에서 제공하는 6개의 communication ports 중 최대 2개를 Ethernet ports로 활용이 가능한 보드이다. 또한 32MB SDRAM, 512KB RTC/NVRAM, 4MB Flash Memory등을 기본 내장하여 다양한 application의 사용이 가능하다.

■ 특징

- 50MHz PowerPC860
- 4 Digital Input, 4 Digital Output
- 32MB DRAM
- Supported OS : VxWorks, Linux
- 4MB Flash, 1/2MB EPROM
- 512KB RTC/NVRAM
- 2MB SRAM with Battery Back up (Option)
- 6 Communication Ports : Ethernet, RS232, RS422 (Max. 2 Ethernet Ports Support, Max 2 RS422 Support)

■ LKV-402 Specification

Processor	
CPU	50MHz PowerPC860
Clock	50MHz
MMU	Support
Cache	I-Cache 4K
Main Memory Class	
Class	SDRAM
Capacitance	32MB
Burst Mode	Read/Write
Feature	Synchronous DRAM Auto Refresh
EPROM	
Capacitance	1MB
Data Bits	16 Bits

RTC/NVRAM	
RTC	Displaying Time and Data, Built-in Battery
NVRAM	512KB
Ethernet	
Ports	Max. 2 Ports
Connection	10Base-T
Serial	
Ports	Max. 6 Ports
Interface	RS232 (option), MAX RS422 2Port
Flash Memory	
Capacitance	4 MB
Data Bits	16 Bits
VMEbus	
Controller	EPLD
DMA	Not Supported DMA
DTB Master	A32/A24/A16/D32/D16/D8
DTB Slave	A32/A24/D32/D16/D8
Arbiter	RRS/PRI
Interrupt Handler	Max. 7EA
Interrupt Requester	IRQ 1 ~ 7
Power Requirement	
+5 VDC	3.0 ~ 3.5A
±12 VDC	200mA
Size	
Board	233.4 X 160.00mm
Front Panel	262 X 188.00mm
Ambient Temperature	
Operating	0 ~ +55°C
Storage	-40 ~ +85°C
Humidity	5 ~ 90%

■ 블럭 다이어그램

