



THE LEADER IN MEMORY EMULATION

Powerful Features:

- Universal Solution
- Ultra-fast code downloads
- Debugs via ROM socket
- Emulates any memory
- Extensive host support



ACCELERATES EMBEDDED SOFTWARE DEVELOPMENT

PromICE provides high speed links from host to target via parallel and Ethernet ports, so code is loaded and debugging begins just seconds after compiles are complete. The whole process can be automated and executed with a single command. PromICE completely eliminates the delays in programming memories or loading code to target memory. Time saved means better quality firmware and projects finished on-time.

POWERFUL SOFTWARE DEBUGGING FEATURES

PromICE improves debugger performance with the Analysis Interface, a virtual UART which allows monitor-based debuggers to communicate with the host via the memory socket. This frees serial ports for the application and provides nearly all the functionality of an ICE at a fraction of the cost. Check www.promice.com for debuggers supported.

FLEXIBLE – FITS ANY DEVELOPMENT ENVIRONMENT

PromICE became the leader in memory emulation by providing the features, accessories and options needed to work in nearly every embedded development environment. Host software is available for Windows, Linux, and for Unix, for Solaris or HP-UX for Hewlett Packard. PromICE emulates any ROM or Flash memory on both 5 and 3 volt targets, and is available in 8, 16 or 32 bit data widths.

CONNECTS TO ANY TARGET

PromICE provides the widest range of target connectivity options available anywhere, from DIP to the smallest SMT footprints. Connection solutions for any memory footprint are available from stock or are shipped within a week. A PromICE/DIRECT specification for a small connector can be included on a target to allow PromICE to connect with an inexpensive ribbon cable.

AFFORDABLE – FITS ANY BUDGET

PromICE provides all these benefits at a much lower price than many other embedded development systems. Instead of a sharing a single expensive system, each developer can have their own PromICE, increasing departmental productivity. After PromICE is integrated into a development environment, it also serves as an affordable solution for hardware and software testing.



SPECIFICATIONS

Feature	Options
Emulation size	8 bit: 1 Mbit, 2 Mbit, 4 Mbit, 8 Mbit, 16 Mbit 16 bit: 2 Mbit, 4 Mbit, 8 Mbit, 16 Mbit, 32 Mbit , 64 Mbit
Access speeds	90ns, 45ns, 35ns
Data widths	8 bit, 16 bit, 32 bit (combine 2 16 bit PromICEs for 32 bit emulation)
Auxiliary	Write, interrupt and reset for target control
Download	Serial: up to 57.6 Kbaud Parallel: up to 90 KBytes/second Ethernet: up to 50 KBytes/second
Accessories included	6' shielded serial cable, 6' shielded parallel cable, External 120/240V power supply (worldwide cordsets available), Host software, 1 mini clip (3 clips with AI2 option).

OPTIONS AND ACCESSORIES

Part number	Description
-AI2	Analysis Interface – virtual UART for source level debugging
FPNET	10/100 Ethernet adapter
32DC	Serial and parallel cables daisychain 2 16 bit PromICE for 32 bit emulation
SUNPP	Parallel port cable for Sun UNIX workstations
SK1	UnoROM adapter to emulate serial PROMs for FPGA configuration
Target Cables	See target cable datasheets

MEMORY FOOTPRINTS SUPPORTED

Footprint	Number of pins supported
DIP	8, 28, 32, 40, 42
PLCC	20, 32, 44
PSOP	44
SSOP	56
TSOP	32, 40, 48, 56
MicroBGA	40, 48, 56
SIMM	80 (32 bit)
Direct	34 (8 bit) 60 (8 and 16 bit)
PCMCIA	Standard 16 pin slot

FOR MORE INFORMATION AND TO ORDER

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