

NuPRO-825 Series

PCI™ Half-Size Socket 479 Intel® Pentium® M SBC with Dual-GbE, DVI, LVDS, Serial ATA, and CF



Features

- PCI™ Half-Size SBC
- Socket 479 Intel® Pentium® M/Celeron® M processor with low power consumption
- 10/100/1000Base-T Gigabit Ethernet
- Rich display interfaces of VGA, DVI and LVDS
- Easy customization for OEM programs

Ordering Information

NuPRO-825LV-P1600/512	PCI™ Half-Size Pentium® M 1.6 GHz/512 MB DDR SBC with GbE, DVI, LVDS, Serial ATA, and CF
NuPRO-825LV-C1300/512	PCI™ Half-Size Celeron® M 1.3 GHz/512 MB DDR SBC with GbE, DVI, LVDS, Serial ATA, and CF
NuPRO-825DV-P1600/512	PCI™ Half-Size Pentium® M 1.6 GHz/512 MB DDR SBC with Dual-GbE, DVI, LVDS, Serial ATA, and CF
NuPRO-825DV-C1300/512	PCI™ Half-Size Celeron® M 1.3 GHz/512 MB DDR SBC with Dual-GbE, DVI, LVDS, Serial ATA, and CF

Note: Call for availability of more CPU and memory options

Recommended Chassis

Model Number	Description/Configuration
RK-604A	4-slot Wallmount Compact Size Chassis for Half-size SBC
RK-606UC	6-slot Desktop/Wallmount Chassis for Full-Size SBC

Backplane Compatibility

Model Number	Recommended Backplanes
HPM-4S	One PCI™ system slot, three PCI-33 peripheral slots
HPM-5S	One PCI™ system slot, four PCI-33 peripheral slots

Specifications

System

CPU	Socket 479 Intel® Pentium® M, Celeron® M processor
FSB	400 MHz
Chipset	Intel® 855GME + ICH5
Memory	DDR 333/266 MHz SODIMM, up to 2 GB
BIOS	Award 4 Mb flash memory
Watchdog Timer	1-255 sec or 1-255 min software programmable and can generate system reset
Hardware Monitor	CPU/System temperature, fan speed and onboard DC voltages

I/O Interfaces

IDE	One-channel UltraATA 66/100
CompactFlash	One CompactFlash Type II socket
Serial ATA	Two Serial ATA ports with 1.5 Gbps data transfer rate
USB	Four USB 2.0 ports (two on faceplate, two on onboard pin header)
Multi I/O	One RS-232, one LPT, one Floppy, and one IrDA

Display

VGA	Intel® 855GME integrated VGA (Intel® Extreme Graphics 2)
DVI	Supports graphics resolutions up to UXGA (1600 x 1200)
LVDS	Intel® 855GME integrated LFP Transmitter interface supports LVDS LCD panel resolutions up to UXGA (1600 x 1200)

Ethernet

10/100 LAN	Onboard Intel® 82562 Ethernet controller supports 10/100 Fast Ethernet (NuPRO-825LV)
Gigabit LAN	Two onboard Intel® 82540EM GbE controllers support 10/100/1000Base-T dual-Gigabit Ethernet (NuPRO-825DV)

Mechanical and Environmental

Form Factor	PCI™ Half-size CPU board
Dimensions	191 mm x 122 mm (L x W)
Operating Temp.	0°C to 60°C
Storage Temp.	-20°C to 80°C
Compliance	CE, FCC Class A

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