

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

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|-----------------------|---|
| 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

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|--------------|--|
| 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

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|------|---|
| 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

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|-------------|--|
| 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

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|-----------------|--------------------------|
| 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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