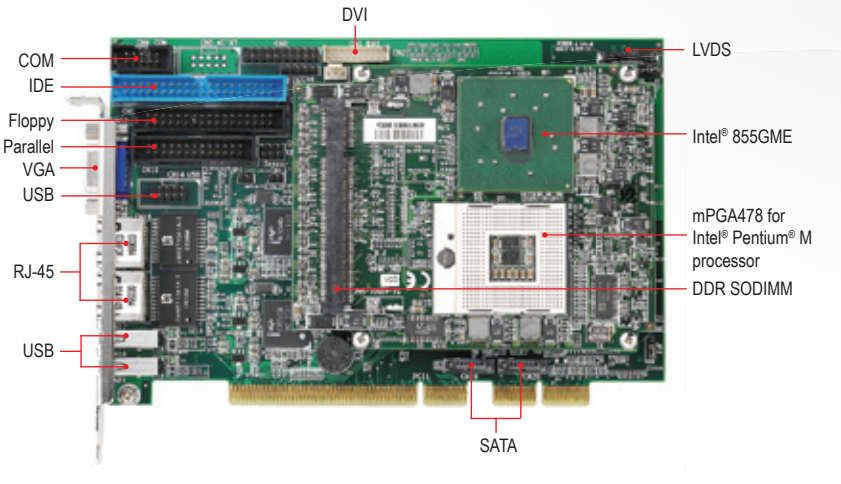
NuPRO-825

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





NuPRO-825

Features

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

Specifications

Processor System

CPU	Intel® Pentium® M processor, 1.6GHz, 400MHz FSB, 1MB L2 Cache, 90nm, 24.5W TDP, PPGA478
	Intel® Pentium® M processor LV, 1.1GHz, 400MHz FSB, 1MB L2 Cache, 90nm, 12W TDP, H-PBGA479
Chipset	Intel® 855GME + ICH5 chipset
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, can generate system reset
Hardware Monitor	CPU/System temperature, fan speed and onboard DC voltages
Operating Systems	Windows® 2000/XP, Fedora™ Core 3

I/O Interfaces

IDE (PATA)	1x UltraATA 66/100
CompactFlash	1x CompactFlash® Type II socket
Serial ATA	2x Serial ATA ports with 1.5 Gbps data transfer rate
USB	4x USB 2.0 ports (2x faceplate, 2x onboard pin header)
KB/MS	1x onboard header for keyboard/mouse
Floppy	1x Floppy
Parallel Port	1x LPT
Serial Port	1x RS-232

Display

Graphics	Intel® 855GME integrated VGA (Intel® Extreme Graphics 2)
VRAM	Shared system memory up to 96MB
CRT	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

Controller	Two onboard Intel® 82541PI GbE controllers support 10/100/1000Base-T dual-Gigabit Ethernet
Interfaces	PCI™ Bus
Wake On LAN	Yes

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
Certifications	CE, FCC Class A
Relative Humidity	10% to 90%, non-condensed

Ordering Information

Model Number	Description/Configuration
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-P1100/512	PCI™ Half-Size Pentium® M 1.1 GHz/512 MB DDR SBC with Dual-GbE, DVI, LVDS, Serial ATA, and CF

Packing List

NuPRO-825	2x SATA data cable
1x UltraATA 100 IDE cable	1x SATA power cable
1x Floppy cable	1x DVI cable
1x USB 2.0 cable bracket	Driver CD
1x COM+Parallel port cables with bracket	User's manual

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