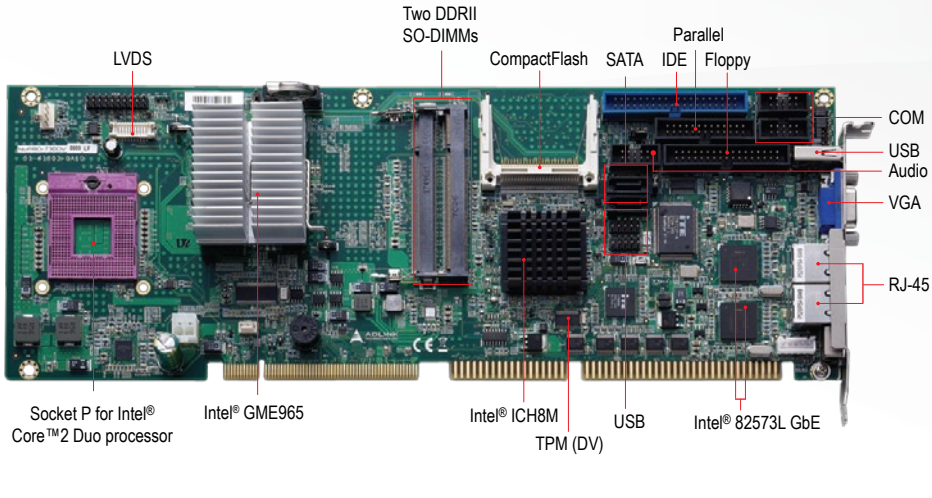
NuPRO-730

Intel® Core™2 Duo Mobile PICMG® 1.0 SBC





EXTENDED TEMPERATURE

Features

- Intel® Core™2 Duo/Celeron® Mobile processors in Micro-FCPGA package (Socket P)
- Integrated Graphics Controller, supports Dual Independent Display on VGA/LVDS
- Trusted Platform Module
- Dual Intel® Gigabit Ethernet controllers
- Optional High Definition Audio kit
- Extended temperature support (-20°C to 70°C)

Specifications

Processor & System

CPU	Intel® Core™2 Duo Mobile T7500, 2.2 GHz, FSB 800MHz, 4MB L2 Cache, 65nm, 35W TDP
	Mobile Intel® Celeron® M 550, 2 GHz, FSB 533MHz, 1MB L2 Cache, 65nm, 27W TDP
Chipset	Intel® GME965 + ICH8M Express Chipset
Memory	2 x 200-pin SO-DIMM sockets supporting dual-channel DDR2-667 SDRAM, up to 4 GB
TPM	Infineon SLB9635 TT 1.2 (optional)
BIOS	AMI BIOS/ SPI Flash ROM 16 Mb
Watchdog Timer	1-255 sec. or min. software programmable
Hardware Monitor	CPU/System temperature, fan speed and onboard DC voltages
Operating Systems	Windows® XP, Vista
	Fedora™ 8, Red Hat Enterprise Linux 5

I/O Interfaces

IDE (PATA)	1x UltraATA 66/100/133 supports up to 2 devices
CompactFlash	1x CompactFlash type II socket (share with IDE)
Serial ATA	2x SATA 3 Gb/s ports
USB	5x USB 2.0 ports (1 x faceplate, 4 x onboard pin headers)
KB/MS	Internal pin header for keyboard
Floppy	1x Floppy
Parallel Port	1x LPT
Serial Port	1x RS-232, 1x RS-232/422/485/485+

Audio

Audio Codec	Realtek ALC262 on DB-Audio2 daughter board
Interface	Pin header for High Definition Audio interface

Display

Graphics	Intel® GMA X3100 Integrated in Intel® GME965 GMCH
VRAM	Shared with system memory up to 384 MB
CRT	External Dsub-15 connector, up to 2048x1536 @ 75 Hz
LVDS	Single channel 24-bit LVDS

Ethernet

Controller	Dual Intel® 82573L (optional)
Interface	Two 10/100/1000Mbps Ethernet ports
Wake On LAN	Yes

Mechanical and Environmental

Form Factor	Full-Size PICMG® 1.0 SBC
Dimensions	338 mm x 122 mm (L x W)
Operating Temp.	-20°C to 70°C
Storage Temp.	-40°C to 80°C
Certifications	CE, FCC Class A
Relative Humidity	10% to 90%, non-condensing

Ordering Information

Model Number	Description/Configuration
NuPRO-730DV	PICMG® 1.0 Full-size SBC, Mobile Core™2 Duo/Celeron® (Socket P), GME965/ICH8M, TPM, VGA/LVDS, Dual GbE, SATA II, IDE and Floppy
NuPRO-730LV	PICMG® 1.0 Full-size SBC, Mobile Core™2 Duo/Celeron® (Socket P), GME965/ICH8M, VGA/LVDS, GbE, SATA II, IDE and Floppy

Optional Accessories

Model Number	Description/Configuration
Socket-M 1U CPU Cooler	1U CPU cooler with backplate
DB-Audio2	High Definition Audio daughter board supports Line-in, Line-out, and Mic-in

Packing List

NuPRO-730	1x COM+Parallel port cables with bracket
2x SATA data cables	1x UltraATA 100 IDE cable
1x dual-plug SATA power cable	1x Floppy cable
Driver DVD	1x USB 2.0 cable with bracket
User's manual	1x COM port cable with bracket

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