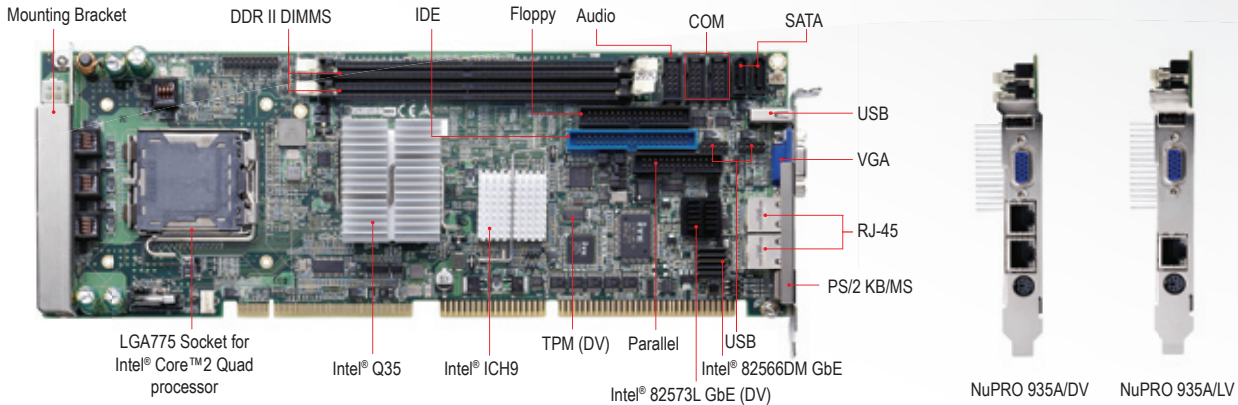


NuPRO-935A

PICMG® 1.0 SBC with Intel® Q35 Chipset, VGA, SATA II, Dual GbE, USB, IDE, FDD



Features

- Intel® Core™2 Duo/Quad processors support up to 1333 MHz FSB
- Trusted Platform Module
- Dual Intel® Gigabit Ethernet controllers
- Optional High Definition Audio kit

Specifications

Processor & System

| | |
|-------------------|---|
| CPU | Intel® Core™2 Quad Q9400, 2.66GHz, 1333MHz FSB, 6MB L2 Cache, 45nm, 65W TDP, LGA775FSB Intel® Core™2 Duo E8400, 3.0GHz, 1333MHz FSB, 6MB L2 Cache, 45nm, 65W TDP, LGA775 Intel® Core™2 Duo E7400, 2.8GHz, 1066MHz FSB, 3MB L2 Cache, 45nm, 65W TDP, LGA775 Intel® Core™2 Duo E6400, 2.13GHz, 1066MHz FSB, 2MB L2 Cache, 65nm, 65W TDP, LGA775 Intel® Core™2 Duo E4300, 1.8GHz, 800MHz FSB, 2MB L2 Cache, 65nm, 65W TDP, LGA775 Intel® Pentium® Dual Core E2160, 1.8GHz, 800MHz FSB, 1MB L2 Cache, 65nm, 65W TDP, LGA775 Intel® Celeron® 440, 2.0GHz, 800MHz FSB, 512K L2 Cache, 35nm, 65W TDP, LGA775 |
| Chipset | Intel® Q35 + ICH9 Express Chipset |
| Memory | 2 x 240-pin DIMM sockets Dual-Channel DDR2-800/667 SDRAM, up to 4 GB Infineon SLB9635 TT 1.2 (optional) |
| TPM | Infineon SLB9635 TT 1.2 (optional) |
| BIOS | AMI BIOS/ SPI Flash ROM 16Mb |
| Watchdog Timer | 1-255 sec. or min. software programmable |
| Hardware Monitor | CPU/System temperatures, fan speed and onboard DC voltages |
| Operating Systems | Windows® XP, Vista, 7 32/64-bit Fedora™ 8, RedHat™ Enterprise Linux 5 |

I/O Interfaces

| | |
|---------------|--|
| IDE (PATA) | 1x UltraATA 66/100/133, support one device |
| Serial ATA | 2x Serial ATA ports with 3.0 Gbps data transfer rate |
| USB | 5x USB 2.0 ports (1x faceplate, 4x onboard pin headers) |
| KB/MS | 1x PS/2 keyboard/mouse |
| Floppy | 1x Floppy |
| Parallel Port | 1x LPT |
| Serial Port | 1x RS-232, 1x RS-232/422/485 |

Audio

| | |
|-------------|---|
| Audio Codec | Realtek® ALC262 on DB-Audio2 daughter board |
| Interfaces | Supports HDA Line-in/Line-out/Mic-in |

Display

| | |
|----------|---|
| Graphics | Intel® GMA 3100 integrated in Intel® Q35 GMCH |
| VRAM | Shared with system memory up to 256 MB |
| CRT | External D-sub 15 connector, up to 2048x1536 @ 75Hz |

Ethernet

| | |
|-------------|---|
| Controller | Intel® 82566DM and Intel® 82573L (optional) |
| Interface | 2x 10/100/1000Mbps Ethernet ports |
| Wake On LAN | Supported on 82566DM |

Mechanical and Environmental

| | |
|-------------------|---------------------------|
| Form Factor | Full-Size PICMG® 1.0 SBC |
| Dimensions | 338 mm x 122 mm (L x W) |
| Operating Temp. | 0 to 60°C |
| Storage Temp. | -20 to 80°C |
| Certifications | CE, FCC Class A |
| Relative Humidity | 10% to 90%, non-condensed |

Ordering Information

| Model Number | Description/Configuration |
|---------------|--|
| NuPRO-935A/DV | PICMG® 1.0 Core™2 Quad/Duo Single Board Computer, Q35/ICH9, TPM, Dual GbE/SATA II/ IDE/ Floppy |
| NuPRO-935A/LV | PICMG® 1.0 Core™2 Quad/Duo Single Board Computer, Q35/ICH9, GbE/SATA II/ IDE/Floppy |

Optional Accessories

| Model Number | Description/Configuration |
|---------------------------|---|
| 1U CPU Cooler + backplate | LGA775 1U Thermal Module + backplate |
| 2U CPU Cooler + backplate | LGA775 2U Thermal Module + backplate |
| 3U CPU Cooler | LGA775 3U Thermal Module |
| Backplate | Backplate for 3U CPU cooler |
| DB-Audio2 | High Definition Audio daughter board supports Line-in, Line-out, and Mic-in |

Packing List

| | |
|------------------------------------|--|
| NuPRO-935A | 1x COM+Parallel port cables with bracket |
| 1x Y-cable for PS/2 keyboard/mouse | 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 bracket | User's manual |
| 1x COM port cable with bracket | |