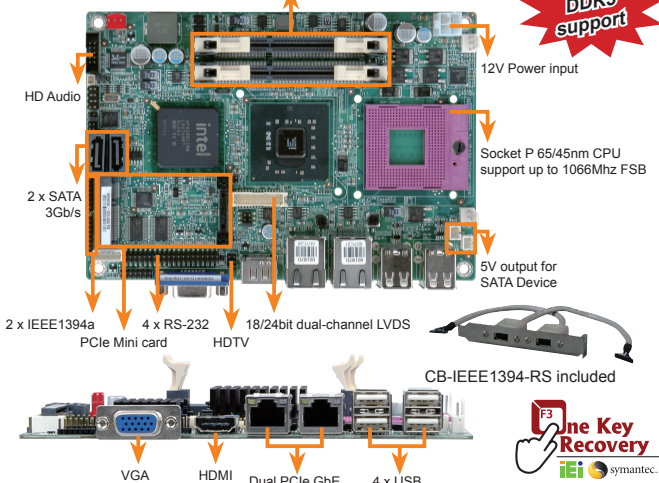


NANO-GM45A2

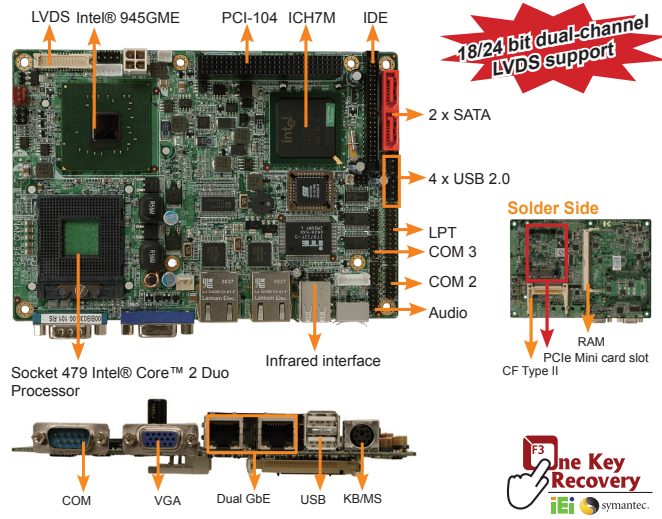
EPIC SBC supports Intel® 45nm mobile Core™ 2 Duo processor with Intel® GM45 & ICH9M platform, DDR3/HDMI/IEEE1394

Dual DDR3 support up to 4GB



NANO-9452-R40

EPIC with Intel® Core™ 2 Duo/ Core™ Duo/ Solo processor, SATA, Dual PCIe GbE, CF Type II, IDE, USB 2.0 & audio



Features

1. Socket P Intel® 45nm mobile Core™ 2 Duo processor with up to 1066MHz FSB
2. High-performance MPEG-2 decoding, WMV9 (VC-1) and H.264 (AVC) supported
3. DDR3 1066/800MHz dual channel DDR3 supported (system max. 4 GB)
4. 18/24-bit dual-channel LVDS/Analog CRT/HDTV output/HDMI supported
5. Support four COM, four USB, two SATA 3Gb/s, two IEEE 1394a and audio
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU: Socket P Intel® Core™ Duo processor with a 1066/800MHz FSB; Socket P Intel® Celeron® M processor with a 667/800 MHz FSB
- ◆ System Chipset: Intel® GM45/ICH9M
- ◆ BIOS: AMI BIOS
- ◆ System Memory: Two 204-pin 1066/800/667 MHz DDR3 SDRAM SO-DIMM supported (system max. 4GB); Support DDR3 at 667MHz when FSB at 667MHz only
- ◆ Ethernet Chipset: Dual Realtek 8111CP GbE Chipsets
- ◆ I/O Interface: 4 x USB 2.0, 2 x SATA 3Gb/s, 4 x RS-232, 2 x IEEE 1394a ports up to 400Mbps data transfer by VIA VT6315N
- ◆ Expansion: PCIe Mini card
- ◆ Audio: Realtek ALC888 HD Audio
- ◆ Display Interface: Intel® Gen 5.0 integrated graphics engine with Mobile Intel® GMA 4500MHD; High-performance MPEG-2 decoding, WMV9 (VC-1) and H.264 (AVC); Microsoft DirectX™ 10 support; Analog CRT resolution up to 2048x1536; 18/24-bit dual channel LVDS resolution up to 1920x1200; HDTV-out resolution up to 1920x1080i by component interface; HDMI port supports up to 1080i/p
- ◆ WDT: Software programmable supports 1 ~ 255 sec. system reset
- ◆ Power Supply: 12V only, AT/ATX supported
- ◆ Power Consumption: 12V@3.06A (Intel® Core™ 2 Duo T9400 2.53GHz, 1GB DDR3 1066 MHz)
- ◆ Temperature Operation: -10°C ~ 60°C
- ◆ Humidity Operation: 5% ~ 95 non-condensing
- ◆ Dimension: 165 mm x 115 mm
- ◆ Weight: GW: 700g NW 350g

Packing List

| | |
|--|--|
| 1 x NANO-GM45A2 single board computer | |
| 1 x Dual port IEEE1394 cable (P/N: CB-IEEE1394-RS) | |
| 1 x Quad RS-232 cable (P/N: 32100-147900-RS) | |
| 1 x Mini jumper pack | 1 x Power cable (P/N: 32100-087100-RS) |
| 2 x SATA cable (P/N:32000-062800-RS) | 1 x Audio cable (P/N: 32000-072100-RS) |
| 1 x Utility CD | 1 x QIG |

Ordering Information

| Part No. | Description |
|---------------------|--|
| NANO-GM45A2-R10 | EPIC SBC supports Intel® 45nm mobile Core™ 2 Duo processor with Intel® GM45 & ICH9M platform, DDR3, dual GbE, LVDS/ CRT/HDTV-out, SATA 3Gb/s, USB2.0 |
| CF-479B-RS | CPU cooler |
| 32000-083702-RS | HDTV cable set with S-Video, composite and component interfaces |
| 32102-000100-200-RS | SATA power cable |
| 32000-114001-RS | SATA 5V power output cable kit for NANO series, SATA cable 20cm, power cable 20cm |
| 32100-043403-RS | ATX power cable |

Features

1. Support Intel® Core™ 2 Duo, Core™ Duo/ Solo processor with 667 MHz FSB
2. VGA integrated in Intel® 945GME supports 1080i HDTV-out, 18/24-bit dual-channel LVDS
3. DDR2 667/533/400 MHz SO-DIMM socket supports up to 2 GB
4. Dual PCIe Broadcom BCM5787M GbE chipset
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU: Socket M Intel® Core™ 2 Duo, Core™ Duo/Solo processor with a 667MHz FSB; Celeron® M processor with a 533MHz FSB (Yonah Core)
- ◆ System Chipset: Intel® 945GME + ICH7M
- ◆ BIOS: AMI BIOS
- ◆ System Memory: One 200-pin 667/533/400MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)
- ◆ Ethernet: Dual PCIe Realtek RTL8111E GbE chipset
- ◆ I/O Interface: 6 x USB 2.0, 2 x SATA, 1 x IDE, 3 x RS-232, 1 x RS-232/422/485, 1 x PS/2 for KB/MS, 1 x LPT, 1 x CF Type II
- ◆ Infrared Interface: 1 x Infrared interface by pin header
- ◆ Expansions: 1 x PCI-104 (PCI bus)
- ◆ Super I/O: ITE IT8712F
- ◆ Digital I/O: 8-bit digital I/O, 4-bit input/ 4-bit output by super I/O
- ◆ Audio: 5.1 channel audio kit with Realtek ALC655 AC'97 codec; 7.1 channel HD audio kit with Realtek ALC888 codec supports dual audio streams
- ◆ Display Interface: VGA Integrated in Intel® 945GME; Support HDTV resolution up to 1080i by component interface; 18/24-bit dual-channel LVDS
- ◆ Watchdog Timer: Software programmable 1-255 sec. by super I/O
- ◆ Power Supply: 12V only AT/ATX support
- ◆ Power Consumption: 12V@2.99A (Intel® Core™ 2 Duo T2500 2.0GHz, 2GB 800 MHz DDR II)
- ◆ Temperature: Operating: 0°C ~ 60°C (32 ~ 140° F)
- ◆ Humidity: Operating: 5% ~ 95% non-condensing
- ◆ Dimensions: 165 mm x 115 mm

Packing List

| | |
|---|--|
| 1 x NANO-9452 single board computer | |
| 2 x RS-232 cable (P/N: 32200-000049-RS) | |
| 1 x KB/MS cable (P/N: 32006-000300-100-RS) | |
| 1 x SATA power cable (P/N: 32102-000100-200-RS) | |
| 2 x SATA cable (P/N: 32000-062800-RS) | 1 x IDE cable (P/N: 32200-000009-RS) |
| 1 x Mini jumper pack | 1 x Power cable (P/N: 32100-087100-RS) |
| 1 x Utility CD | 1 x QIG |

Ordering Information

| Part No. | Description |
|------------------|---|
| NANO-9452-R40 | EPIC SBC, Intel® Core™ 2 Duo, Core Duo/ Solo FSB 667MHz with VGA/LVDS/HDTV-out, Dual PCIe GbE, SATA and audio |
| 32000-044300-RS | USB cable |
| 19800-000110-RS | RS-232/422/485 cable |
| AC-KIT08R-R10 | 5.1 channel AC' 97 Audio Kit with Realtek ALC655 codec |
| AC-KIT-888HD-R10 | 7.1 channel HD audio kit with realtek ALC888 codec support dual audio streams |
| CF-479B-RS | CPU cooler (50 mm x 50 mm x 26 mm, 50W) |
| 32200-015100-RS | LPT cable |
| 32100-043403-RS | ATX power cable |
| 32000-083701-RS | HDTV out cable |

1 Industrial Computing Solutions

2 Video Capture Solutions

3 Embedded Computing Solutions

4 Industrial Data Collector and Controller

5 Panel Solutions Introduction

6 ORing Network Communication

7 Power Supply/ Peripherals