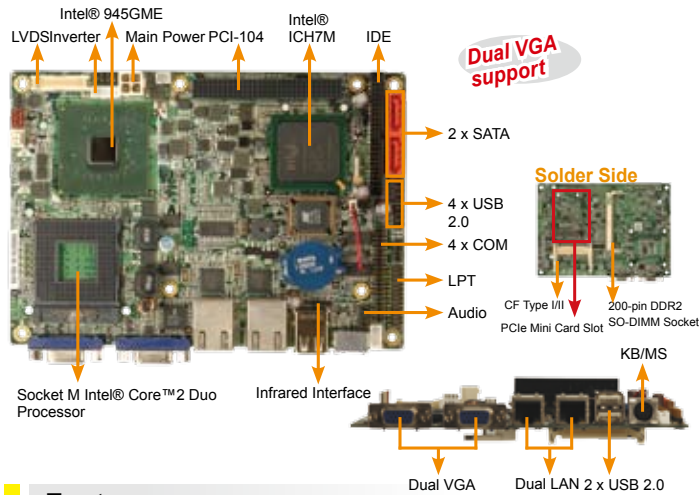


epic NANO-9453-R11

EPIC with Intel® Core™2 Duo Processor, Dual VGA, SATA, Dual PCIe GbE, CF Type I/II, IDE & USB 2.0

**Features**

1. Support an Intel® Core™2 Duo processor with a 667 MHz FSB
2. Support one DDR2 400/533/667MHz SO-DIMM with a maximum capacity of 2GB
3. Dual PCIe GbE Broadcom BCM5787M controllers
4. Support dual 18-bit LVDS LCD panels and Dual VGA ports
5. 2 x SATA, 6 x USB 2.0, 1 x CF Type I/II, 1 x LPT and 4 x COM
6. PCIe Mini card and PCI-104 expansion interface

Specifications

- ◆ CPU
Socket M Intel® Core™2 Duo, Core™ Duo/Solo processor with a 667MHz FSB
Celeron® M processor with a 533 MHz 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 Broadcom BCM5787M chipset
- ◆ I/O Interface
6 x USB 2.0
1 x IDE
1 x RS-232/422/485
1 x LPT
2 x SATA
3 x RS-232
1 x PS/2 for KB/MS
1 x CF Type II
- ◆ Expansions
1 x PCI-104 (PCI bus)
1 x PCIe Mini Card Slot
- ◆ Infrared Interface
1 x Infrared Interface by pin header
- ◆ 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 ALC883 codec supports dual audio streams
- ◆ Display Interface
1st VGA DB15 output Integrated in Intel® 945GME
2nd VGA DB15 through SDVO by Chrontel CH7317A
Dual display independent by VGA1+VGA2 or VGA1+LVDS or VGA2+LVDS
18-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@3.29A (Intel® Core™2 Duo 2.16GHz, 1GB DDR2 533MHz)
- ◆ Temperature
Operating: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity
Operating: 5% ~ 95% non-condensing
- ◆ Dimensions
165 mm x 115 mm
- ◆ Weight
GW: 800 g / NW: 250 g

Packing List

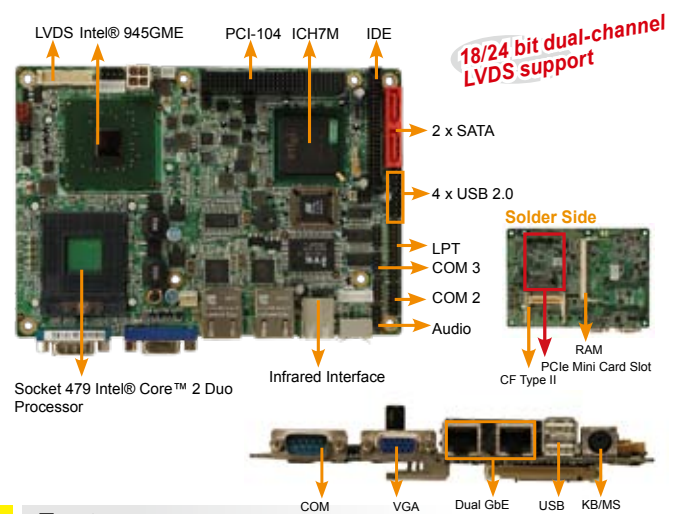
1 x NANO-9453 Single board computer
1 x 4 RS-232 Adapter Cable (P/N: 32200-025401-RS)
1 x IDE Flat Cable 44p/44p (P/N: 32200-000009-RS)
2 x SATA Cable (P/N: 32000-062800-RS)
1 x SATA Power Cable (P/N: 32100-088600-RS)
1 x KB/MS Cable (P/N: 32000-000138-RS)
1 x Power Cable (P/N: 32100-087100-RS)
1 x Mini Jumper Pack
1 x Utility CD
1 x QIG

Ordering Information

Part No.	Description
NANO-9453-R11	EPIC SBC, Intel® Core™2 Duo, Core™ Duo/Solo FSB 667MHz with Dual VGA, LVDS, Dual PCIe GbE and SATA
32000-044300-RS	USB Cable
32200-074800-RS	RS-422/485 Cable
AC-KIT08R-R10	5.1 Channel AC'97 Audio Kit with Realtek ALC655
AC-KIT-883HD-R10	7.1 Channel HD Audio Kit with Realtek ALC883 Support Dual Audio Streams
CF-479B-RS	CPU Cooler (50mm x 50mm x 26mm, 50W)
32200-015100-RS	LPT Cable
32100-043403-RS	ATX Power Cable

epic NANO-9452-R11

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

**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

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 Broadcom BCM5787M 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 ALC883 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@3.01A (Intel Core™2 Duo 2.0GHz, 1GB 533MHz DDR2)
- ◆ 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 IDE cable (P/N: 32200-000009-RS)
1 x SATA Power cable (P/N: 32100-088600-RS)
2 x SATA cable (P/N: 32000-062800-RS)
1 x KB/MS cable (P/N: 32000-000138-RS)
1 x Power cable (P/N: 32100-087100-RS)
1 x Mini jumper pack
1 x Utility CD
1 x QIG

Ordering Information

Part No.	Description
NANO-9452-R11	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-883HD-R10	7.1 channel HD audio kit with realtek ALC883 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