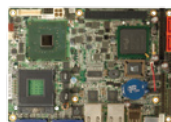


EPIC NANO Selection Guide



Model Name	epic NANO-GM45A	epic NANO-9453-R11	epic NANO-9452-R11	epic NANO-945GSE	epic NANO-945GSE2
CPU Socket	Socket P	Socket M	Socket M	On board	On board
CPU Type	Intel® Core2Duo, Celeron® M	Intel® Core2Duo, Core™ Duo/ Solo, Celeron® M	Intel® Core2Duo, Core™ Duo/ Solo, Celeron® M	Intel® Atom™ Processor N270 1.6GHz	Intel® Atom™ Processor N270 1.6GHz
FSB	1066/800/667 MHz	533/667 MHz	533/667 MHz	533 MHz	533 MHz
Chipset	Intel® GM45 + ICH9M	Intel® 945GME + ICH7M	Intel® 945GME + ICH7M	Intel® 945GSE + ICH7M	Intel® 945GSE + ICH7M
Memory	Two 200-pin, Max. 4 GB, 1066/800/667 MHz DDR2 SO-DIMM	One 200-pin, Max. 2 GB, 400/533/667 MHz DDR2 SO-DIMM	One 200-pin, Max. 2 GB, 400/533/667 MHz DDR2 SO-DIMM	One 200-pin, Max. 2 GB, 400/533MHz DDR2 SO- DIMM	One 200-pin, Max. 2 GB, 400/533MHz DDR2 SO- DIMM
Display Interface	VGA integrated in the Intel® GM45 18/24-bit dual-channel LVDS HDMI HDTV	1st VGA integrated in the Intel® 945GME 2nd VGA through SDVO by Chrontel CH7317A 18-bit dual-channel LVDS	VGA integrated in the Intel® 945GME 18/24-bit dual-channel LVDS HDTV	VGA integrated in the Intel® 945GSE 1st 18-bit dual-channel LVDS by Intel® 945GSE 2nd 18/24-bit dual-channel LVDS through SDVO by Chrontel CH7308 HDTV	VGA integrated in the Intel® 945GSE 18-bit dual-channel LVDS 24-bit TTL (LVDS to TTL)
Ethernet	Dual Realtek 8111CP PCIe GbE chipsets	Dual PCIe GbE Broadcom BCM5787M chipsets	Dual PCIe GbE Broadcom BCM5787M chipsets	Dual Realtek 8111CP PCIe GbE chipsets	Dual Realtek 8111CP PCIe GbE chipsets
I/O Interface	4 x RS-232 4 x USB 2.0 2 x IEEE 1394a	3 x RS-232 1 x RS-232/422/485 6 x USB 2.0 1 x LPT 1 x Infrared Interface 1 x PS/2 for KB/MS	3 x RS-232 1 x RS-232/422/485 6 x USB 2.0 1 x LPT 1 x Infrared Interface 1 x PS/2 for KB/MS	3 x RS-232 1 x RS-232/422/485 6 x USB 2.0 1 x LPT 1 x Infrared Interface 1 x PS/2 for KB/MS	3 x RS-232 1 x RS-232/422/485 6 x USB 2.0 1 x LPT 1 x Infrared Interface 1 x PS/2 for KB/MS
Drive Interface	2 x SATAII	2 x SATA 1 x IDE 1 x CF Type II	2 x SATA 1 x IDE 1 x CF Type II	2 x SATA 1 x IDE 1 x CF Type II	2 x SATA 1 x CF Type II
Audio	Realtek ALC888 with HD codec	AC-KIT883HD AC-KIT08R	AC-KIT883HD AC-KIT08R	AC-KIT883HD AC-KIT08R	Realtek ALC655 with AC' 97 codec
Digital I/O	N/A	8-bit digital I/O 4-bit input/4-bit output	8-bit digital I/O 4-bit input/4-bit output	8-bit digital I/O 4-bit input/4-bit output	8-bit digital I/O 4-bit input/4-bit output
Power consumption	12V@3.74A (Intel® Core2 Duo T9600 2.8GHz, 2GB DDR2 667 MHz)	12V@3.29A (Intel® Core2 Duo 2.16GHz, 1 GB DDR2 533 MHz)	12V@3.01A (Intel® Core2 Duo 2.0GHz, 1 GB 533 MHz DDR2)	12V@1.53A (Intel® Atom™ N270 1.6GHz, 2GB DDR2 533 MHz)	12V@1.6A (Intel® Atom™ N270 1.6GHz, 1 GB DDR2 533 MHz)
Watchdog Timer	Software programmable supports 1 ~255 sec. system reset				
Operating Environment	Temperature Range: 0°C ~ 60°C (32°F ~ 140°F) Relative Humidity: 5% ~ 95% non- condensing	Temperature Range: 0°C ~ 60°C (32°F ~ 140°F) Relative Humidity: 5% ~ 95% non- condensing	Temperature Range: 0°C ~ 60°C (32°F ~ 140°F) Relative Humidity: 5% ~ 95% non- condensing	Temperature Range: 0°C ~ 60°C (32°F ~ 140°F) -20°C ~ 70°C(W) -40°C ~ 85°C(W2) Relative Humidity: 5% ~ 95% non- condensing	Temperature Range: 0°C ~ 60°C (32°F ~ 140°F) -20°C ~ 70°C(W) Relative Humidity: 5% ~ 95% non- condensing
Expansion Slot	1 x PCIe Mini Card Slot	1 x PCI-104 1 x PCIe Mini Card Slot	1 x PCI-104 1 x PCIe Mini Card Slot	1 x PCI-104 1 x PCIe Mini Card Slot	1 x PC/104-Plus
Recommend Fancooler	CF-479B-RS	CF-479B-RS	CF-479B-RS	Heatsink	Heatsink

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Industrial
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Solutions

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Embedded
Computing
Solutions

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Industrial Data
Collector
and Controller

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Video
Capture
Solutions

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I/O
Communication
Solutions

6

Panel
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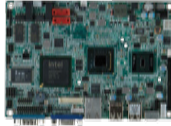
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ORing
Network
Communication

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Power Supply
Peripherals

EPIC NANO Selection Guide

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Model Name	epic NANO-945GSE3	epic NANO-8522G-R13	epic NANO-LX-R12	epic NANO-GX/GXTC-R11	Enano-8523
CPU Socket	On board	On-board / Socket 479	On board	On board	On board
CPU Type	Intel® Atom™ Processor N270 1.6GHz	Intel® Pentium® M/ Celeron® M	AMD® Geode™ LX800	AMD® Geode™ GX466	On board Celeron® M
FSB	533 MHz	400 MHz	N/A	N/A	400 MHz
Chipset	Intel® 945GSE + ICH7M		AMD® Geode™ LX800 + AMD® CS5536	AMD® Geode™ GX466 + AMD® CS5536	Intel® 852GM + ICH4
Memory	One 200-pin, Max. 2 GB, 400/533MHz DDR2 SO-DIMM	One 200-pin, Max. 1 GB, 200/266MHz DDR SO-DIMM	One 200-pin, Max.1 GB 333/400 MHz DDR SO-DIMM	One 200-pin, Max.1 GB, 266 MHz DDR SO-DIMM	One 200-pin, Max.1 GB, 266 MHz DDR SO-DIMM
Display Interface	VGA integrated in the Intel® 945GSE 18-bit dual-channel LVDS HDTV	VGA integrated in the Intel® 852GM 18-bit dual-channel LVDS	VGA integrated in the AMD® Geode™ LX800 24-bit TTL 18-bit single channel LVDS(TTL to LVDS)	VGA integrated in the AMD® Geode™ GX466 24-bit TTL (NANO-GX only) 18-bit single channel LVDS (NANO-GX only)	VGA integrated in the Intel® 852GM 18-bit dual-channel LVDS
Ethernet	Dual Realtek 8111CP PCIe GbE chipsets	Intel® 82541PI GbE chipset or Intel® 82551ER 10/100Mbps Ethernet chipset	Realtek RTL8100C 10/100Mbps Ethernet chipsets	Realtek RTL8100C 10/100Mbps Ethernet chipsets	Intel® 82562ET Ethernet chipset
I/O Interface	1 x RS-232 1 x RS-232/422/485 6 x USB 2.0 1 x LPT 1 x Infrared Interface 1 x PS/2 for KB/MS 2 x CAN Bus	3 x RS-232 1 x RS-232/422/485 6 x USB 2.0 1 x Infrared Interface 1 x PS/2 for KB/MS	6 x RS-232 1 x RS-422/485 4 x USB 2.0 1 x LPT 1 x PS/2 for KB/MS 1 x Infrared Interface	5 x RS-232 1 x RS-232/422/485 (NANO-GX only) 4 x USB 2.0 1 x LPT 1 x PS/2 for KB/MS 1 x Infrared Interface	4 x RS-232 4 x USB 2.0 1 x LPT 1 x PS/2 for KB/MS
Drive Interface	2 x SATA 1 x IDE 1 x CF Type II	2 x SATA RAID 1 x IDE 1 x CF Type II	2 x SATA RAID 1 x IDE 1 x CF Type II	2 x SATA RAID (NANO-GX only) 1 x IDE 1 x CF Type II	1 x IDE 1 x CF Type II
Audio	AC-KIT883HD AC-KIT08R	Realtek ALC655 with AC'97 codec	Realtek ALC203 with AC'97 codec	Realtek ALC203 with AC'97 codec	Realtek ALC655 with AC'97 codec
Digital I/O	8-bit digital I/O 4-bit input/4-bit output	8-bit digital I/O 4-bit input/4-bit output	8-bit digital I/O 4-bit input/4-bit output	8-bit digital I/O 4-bit input/4-bit output	8-bit digital I/O 4-bit input/4-bit output
Power consumption	12V@1.49A (Intel® Atom™ N270 1.6GHz, 2 GB DDR2 533 MHz)	12V@ 1.99A (Pentium® M 1.7 GHz, 512 MB 266 MHz DDR)	12V@ 0.92A (AMD® LX800, 256 MB 400 MHz DDR)	12V@0.83A (AMD® GX466, 512 MB 400 MHz DDR)	5V@3.66A (Intel® Celeron® 600 MHz 512K cache, 256 MB 266 MHz DDR)
Watchdog Timer	Software programmable supports 1 ~255 sec. system reset				
Operating Environment	Temperation Range: 0°C ~ 60°C (32°F ~ 140°F) -20°C ~ 70°C(W) Relative Humidity: 5% ~ 95% non- condensing	Temperation Range: 0°C ~ 60°C (32°F ~ 140°F) Relative Humidity: 5% ~ 95% non- condensing	Temperation Range: 0°C ~ 60°C (32°F ~ 140°F) Relative Humidity: 5% ~ 95% non- condensing	Temperation Range: 0°C ~ 60°C (32°F ~ 140°F) Relative Humidity: 5% ~ 95% non- condensing	Temperation Range: 0°C ~ 60°C (32°F ~ 140°F) Relative Humidity: 5% ~ 95% non- condensing
Expansion Slot	1 x PC/104-Plus	1 x PCI-104	1 x PC/104-Plus	NANO-GX: PC/104-Plus NANO-GXTC: PCI-104	1 x PCI
Recommand Fancooler	Heatsink	CF-479B-RS/Heatsink	Heatsink	Heatsink	Heatsink

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Power Supply/
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