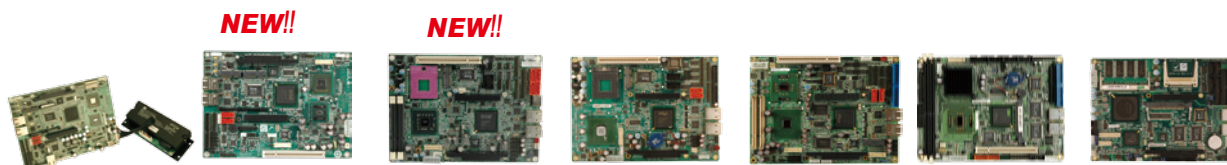


5.25" NOVA Selection Guide



Model Name	eNOVA-945GSE	NOVA-945GSE-R20	NOVA-GM45A	NOVA-9452-R20	NOVA-9102	NOVA-8522G2-R11	NOVA-LX
CPU Socket	On Board	On Board	Socket P	Intel® Socket M	On Board	On Board Intel®Socket479	On Board
CPU Type	Intel® Atom™ Processor N270 1.6GHz	Intel® Atom™ Processor N270 1.6GHz	Intel® Core™ 2 Duo/Quad, Core™ Duo/Solo, Celeron®M	Intel® Core™ 2 Duo, Core™ Duo/Solo, Celeron®M	Intel® Celeron® M	Intel® Celeron® M 600MHz 512K cache & 1GHz zero cache Intel® Pentium® M/ Celeron® M	AMD® Geode™ LX
FSB	533 MHz	533 MHz	667/800/1066 MHz	533/667 MHz	400 MHz	400 MHz	NA
Chipset	Intel® 945GSE + ICH7M	Intel® 945GSE + ICH7M	Intel® GM45 + ICH9M	Intel® 945GME + ICH7M	Intel® 910GML + ICH6M	Intel® 852GM + ICH4	AMD® Geode™ LX800 + AMD® CS5536
Memory	1 x 200-pin, Max.2GB, 400/533 MHz DDR2 SO-DIMM	1 x 200-pin, Max.2GB, 400/533 MHz DDR2 SO-DIMM	2 x 200-pin, Max.4GB, 667/800 MHz DDR2 SO-DIMM	1 x 200-pin, Max.2GB, 400/533/667 MHz DDR2 SO-DIMM	2 x 200-pin, Max.2GB, 400 MHz DDR2 SO-DIMM	2 x 184-pin, Max.2GB, 266 MHz DDR DIMMs	256MB DDR on board, optional 512MB
Display Interface	VGA integrated in the Intel® 945GSE 18-bit dual channel LVDS by Intel® 945GSE	VGA integrated in the Intel® 945GSE 18-bit dual channel LVDS by Intel® 945GSE 2nd 18/24-bit dual channel LVDS by Chrontel CH7308	VGA integrated in the Intel® GM45 HDMI output is integrated in the Intel®GM45 24-bit dual channel LVDS by Intel® GM45	VGA integrated in the Intel® 945GME 24-bit dual channel LVDS by Intel® 945GME	VGA integrated in the Intel® 910GML 1st 18/24-bit dual channel LVDS by Intel® 910GML 2nd 18/24-bit dual channel LVDS by Chrontel CH7308	VGA integrated in the Intel® 852GM 18 bit dual channel LVDS	VGA integrated in the AMD® LX800 24 bit TTL 18 bit single channel LVDS
Ethernet	Dual PCIe GbE Realtek RTL 8111CP chipset	Dual PCIe GbE Realtek RTL 8111CP chipset	Dual PCIe GbE Realtek RTL 8111CP chipset	Dual PCIe GbE BroadcomBCM5787 chipset	Dual PCIe GbE Realtek RTL 8111CP chipset	Dual GbE Realtek RTL 8110SC chipset	Dual 10/100 Realtek RTL 8100C chipset
I/O Interface	3 x RS-232 1 x RS-232/422/485 6 x USB 2.0 1 x LPT 1 x KB/MS by pinheader 1 x 20-pin LPC for TPM	3 x RS-232 1 x RS-232/422/485 6 x USB 2.0 1 x LPT 1 x KB/MS by pin header 1 x 20-pin LPC for TPM	4 x RS-232 2 x RS-232/422/485 8 x USB 2.0 1 x LPT 1 x KB/MS by pinheader	4 x RS-232 2 x RS-232/422/485 6 x USB 2.0 1 x LPT 1 x Infrared Interface 1 x KB/MS by pin header	4 x RS-232 2 x RS-232/422/485 6 x USB 2.0 1 x LPT 1 x Infrared Interface 1 x KB/MS by pin header	3 x RS-232 1 x RS-232/422/485 6 x USB 2.0 1 x LPT 1 x Infrared Interface 1 x KB/MS by pin header	6 x RS-232 2 x RS-232/422/485 4 x USB 2.0 1 x LPT 1 x KB/MS by pin header
Drive Interface	2 x SATA 1 x IDE 1 x CF type II	2 x SATA 1 x IDE 1 x CF type II	4 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 RAID 1 x IDE 1 x FDD 1 x CF type II	1 x IDE 1 x FDD 1 x CF type II
Audio	Realtek ALC655 with AC'97 codec	Realtek ALC655 with AC'97 codec	Realtek ALC888 HD Audio codec	Audio kit	Realtek ALC655 with AC'97 codec	Realtek ALC655 with AC'97 codec	Realtek ALC203 with AC'97 codec
Digital I/O	8-bit digital I/O (4 input/4 output)	8-bit digital I/O (4 input/4 output)	16-bit digital I/O, 8-bit input / 8-bit output	24-bit digital I/O (12 input/12 output)	24-bit digital I/O (12 input/12 output)	8-bit digital I/O (4 input/4 output)	8-bit digital I/O (4 input/4 output)
Power Consumption	12V@1.19A (Intel® Atom™ N270 with 1GB DDR2)	5V@2.89A, 12V@0.04A (Intel® Atom™ N270 with 1GB DDR2)	12V@5.76A (Intel® Core™2 Quad Q9100 2.26GHz FSB 1066MHz with 2* 2GB DDR2 800MHz running 3D Mark2001SE)	5V@3.81A, 12V@2.42A (Intel® Core™2 Duo T7400 2.16GHz FSB 667MHz with 512MB DDR2 667MHz)	12V@1.43A, 5V@5.05A (Intel® Pentium® M 1GHz CPU with 1GB DDR2 400Mz)	5V@4.10A, 12V@2.36A (Intel® Celeron® M 1.6GHz CPU, 2 x 512MB DDR 333Mz)	5V@1.66A (AMD® LX800 500MHz CPU with 256MB on board memory)
Watchdog Timer	software programmable and supports 1~255 sec. system reset	software programmable and supports 1~255 sec. system reset	software programmable and supports 1~255 sec. system reset	software programmable and supports 1~255 sec. system reset	software programmable and supports 1~255 sec. system reset	software programmable and supports 1~255 sec. system reset	software programmable and supports 1~255 sec. system reset
Operation 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) 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 -20°C~80°C Relative Humidity 5%~95% non-condensing
Expansions Slot	2x PCIe mini card 1x PC/104+ (ISA+PCI Bus)	1x PCI 2x PCIe mini card 1x PC/104+ (ISA+PCI Bus)	1x PCI 1x PCIe mini card 1x PC/104+ (ISA+PCI Bus)	1x PCI 1x PCIe mini card 1x PC/104+ (ISA+PCI Bus)	1x PCI 1x PCIe mini card 1x PC/104+ (ISA+PCI Bus)	1x PCI 1x Mini PCI	1x PC/104+ (ISA+PCI Bus) 1x Mini PCI
CPU Cooler	Heatsink	Heatsink	CF-479B-RS	CF-479B-RS	Heatsink	CF-479B-RS / Heatsink	Heatsink

1
Industrial
Computing
Solutions2
Embedded
Computing
Solutions3
Industrial Data
Collector and
Controller4
Video
Capture
Solutions5
I/O
Communication
Solutions6
Panel
Solutions7
ORing
Network
Communication8
Power Supply
Peripherals