999.00 EUR
incl. 19% VAT, plus shipping

The VIA EPIA NR Nano-ITX embedded board is powered by the 1GHz VIA C7® processor, enabling convection cooled systems in locations where noiseless or dust-free systems are essential yet providing desktop performance with a maximum CPU TDP of just 9 watts and average operating power of well below 1 watt.

Additionally, the VIA EPIA NR leverages the display, storage and I/O flexibility of the VIA CX700 system media processor, the all-in-one, highly integrated embedded chipset featuring the VIA UniChrome™ Pro II IGP graphics core. The VIA EPIA NR is the first Nano-ITX mainboard to natively support LVDS in two single or one dual-channel monitor configuration without the need for a daughterboard.

This new Nano-ITX board also provides considerable storage options, with Serial ATA and IDE hard drive connectors for mainstream systems and Compact Flash for local OS storage in industrial automation. Moreover, an extensive I/O set includes broadband Ethernet as well as a mini-PCI port, USB2.0, COM, LPC and Super I/O headers; while WLAN connectivity can be supported through an add-in card for greater flexibility in system design.

VIA EPIA NR-Series Nano-ITX Board Specifications

Model Name	VIA EPIA NR10000EG
Processor	VIA C7® 1.0GHz NanoBGA2

Chipset	VIA CX700M2
System Memory	1 x DDR2 533 SODIMM socket Up to 1GB memory size
VGA	Integrated VIA UniChrome™ ProII 3D/2D AGP graphics with MPEG-2/4 and WMV9 decoding acceleration
Expansion Slots	1 x Mini-PCI slot
Onboard IDE	1 x UltraDMA 133/100 connector (2.54 mm 40-pin header)
Onboard Serial ATA	2 x SATA connectors
Onboard LAN	1 x VIA VT6107 10/100 Mbps Fast Ethernet controller or 1 x VIA VT6122 Gigabit Ethernet controller (manufacturing option)
Onboard Audio	VIA VT1708A High Definition Audio Codec
Onboard I/O Connectors	1 x LPC header 1 x USB pin connector for 6 additional USB 2.0 ports 1 x SMBus pin connector 2 x Serial port pin connectors (COM 1 with 5V/12V support) 1 x LVDS pin connector, for 2 18/24-bit single channel LVDS panels or 1 18/24-bit dual channel LVDS panel (optional) 1 x type I Compact Flash connector (share with IDE, default slave) 1 x PS2 mouse/keyboard pin connector 1 x Audio pin connector for Line-out, Line-in, Mic-in, and S/PDIF out 2 x Fan connectors for CPU and system fans 1 x Nano-ITX power connector
Back Panel I/O	1 x VGA port 1 x RJ-45 LAN port
BIOS	Award BIOS 4/8 Mbit flash memory
Operating System	Windows XP, Linux, Win CE, XPe
System Monitoring & Management	CPU voltage monitoring, Wake-on LAN/KB/MS, Timer Power-on, Watch Dog Timer System power management, AC power failure recovery
Operating Temperature	0°C ~ 50°C
Operating Humidity	0% ~ 95% (relative humidity; non-condensing)
Form Factor	Nano-ITX (8-layer) 12 cm x 12 cm