



NES-EUPHORIA FIELD UPGRADEABLE SBC

▶ HIGHLIGHTS

CompactPCI Field upgradeable CPU module to deploy latest Celeron M, Pentium M, Core 2 duo or ATOM i3, i5 or i7

Up to 2.53Ghz

PCI Express chipset for Embedded

Up to 32GB RAM

DVI-I

Up to four RS 232/RS422/485 serial ports

Four GPIO lines

Up to Three Gigabit Ethernet Controllers

Two SATA I/F

Up to Four USB ports

CF FAST socket

Operating Temperature 0°C to 70°C or -40°C to 85°C

Support for Windows, Linux, VxWorks

RELATED PRODUCT



NES-EUPHORIA FIELD UPGRADEABLE SBC

► OVERVIEW

The NES-EUPHORIA can be equipped with the Intel series of (LV) Pentium® M and ULV Celeron® M, Core 2 duo i3 ,i5 or i7 or Atom processors and up to 32GB RAM, the versatile COM Express basic form factor module, designed especially for systems which require high performance at low power consumption.

The NES-EUPHORIA is equipped with up to three Gigabit Ethernet controller, Up to Quad serial ports configurable in RS232/422/485, Quad GPIO ports, C-FAST socket, DVI-I video and up to Four USB ports for high speed communication. Four Serial ATA channels are available. The dual slot DIMM socket is suitable to address up to 32GB interleaved (symmetric) dual channel memory.

The NES-EUPHORIA is the perfect choice for embedded applications that require a field upgradeable processor board at the centre of their design.



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CPU : Soldered onboard 5th Generation Intel i7 5700EQ 2.0Ghz

Chipset : Intel PCH QM87

Chassis : 2x DDR3L ECC SO-DIMM sockets 1600Mhz up to 16GB

BIOS : AMI UEFI BIOS

Watchdog Timer : 1~255 Level reset

Graphics Chipset : Integrated intel HD Gen 7.5

Graphic interface : Analog RGB supporting up to 1920x1200@60Hz, LCD : Dual Channels 24-bit LVDS
With resolution up to 1920x1200@60Hz
3x DDI ports

USB ports : 8x USB 2.0
4x USB 3.0



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Expansion Bus : 1x PCIe x16 Generation 3 lanes
6x PCIe x1 Generation 2 lanes

DIO : 8-bit programmable

Storage : 4x SATA
SATA RAID 0,1,5,10 Supported

Ethernet : 1x INTEL I218LM PCIe PHY

Audio : HD link

TPM : TPM Supported

Operating System: Windows ,Linux ,VxWorks

Operating Temperature : -40°C to 85°C

Humidity : 0 ~ 95% @85°C (none condensing)

Order Part Number:

- NES-EUPHORIA 5700-01-100 Soldered onboard 5th Generation Intel® Core™ i7-5700EQ 2.0GHz, 4GB RAM
- NES-EUPHORIA 5700-01-110 Soldered onboard 5th Generation Intel® Core™ i7-5700EQ 2.0GHz, 8GB RAM
- NES-EUPHORIA 5700-01-120 Soldered onboard 5th Generation Intel® Core™ i7-5700EQ 2.0GHz, 16GB RAM