



# NES-STRIKER

## 3U VPX FIELD UPGRADEABLE SBC

### ▶ HIGHLIGHTS

VPX 3U Field upgradeable CPU module to deploy latest Celeron M, Pentium M, Core 2 duo or ATOM i3, i5 or i7

Up to 2.6Ghz

Two USB 2.0 ports on front panel, Four USB channels through VPX connectors (two through P1, and two through P2).

Up to 64GB RAM

DVI-I

Two Gigabit Ethernet port on front panel  
Two Gigabit Ethernet ports on VPX connector P1

Four multiprotocol serial ports (RS232, RS422, RS485) through VPX Connector P2.

SATA ports

Eight General Purpose Input Output GPIO (four inputs and four outputs) through VPX Connector P2.

One on-board Serial-ATA port, and two SATA ports through VPX Connector P2.

CF FAST socket

Operating Temperature 0°C to 70°C or -40°C to 85°C and conduction cooled

Support for Windows, Linux, VxWorks

### RELATED PRODUCT





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### ► OVERVIEW

**The NES-STRIKER** can be equipped with the Intel series of (LV) Pentium® M and ULV Celeron® M, Core 2 duo Atom or i3, i5 ,i7 or XEON processors and up to 64GB RAM, the versatile COM Express basic form factor module, designed especially for systems which require high performance at low power consumption.

**The NES-STRIKER** is equipped with a Four Gigabit Ethernet controller, Quad serial ports configurable in RS232/422/485, Eight GPIO ports, CompactFlash socket, DVI-I video and up to Six USB ports for high speed communication. Three Serial ATA channels are available and up to 64GB RAM

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

Customization is possible call Nolam Services & Industries for more information.



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### ► OVERVIEW (EXAMPLE OF COMEXPRESS MODULE)

CPU : Intel® 11th Generation Core™ / Xeon® family

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Chipset : Intel® Mobile RM590E/Intel® Mobile QM580E/Intel® Mobile HM570E

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RAM : 2x DDR4 SO-DIMM with up to 32 GByte per channel (non-ECC/ECC)

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BIOS : AMI UEFI BIOS

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Other Features : G)SPI, LPC, SMB, Fast I<sup>2</sup>C, Staged Watchdog, RTC

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Graphics Chipset : Intel® UHD Graphics

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Graphic interface : DDI1: DP++, DDI2: DP++, DDI3: DP++, VGA: -, LVDS: Dual Channel 18/24bit

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USB ports : 4x USB 3.1; 8x USB 2.0

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Serial : 2x serial interface (RX/TX only)

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Flash onboard : Up to 1 TByte NVMe SSD (on request)

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### ► OVERVIEW (EXAMPLE OF COMEXPRESS MODULE)

Expansion Bus : 8x PCIe x1, 1x PEG x16

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Storage : 4x SATA 6Gb/s

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Ethernet : Intel® I225LM/I225IT  
Up to 2.5 Gb Ethernet with TSN support (depending on SKU)

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Audio : Intel® High Definition Audio

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Special Features : POSCAP capacitors, Trusted Platform Module TPM 2.0

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Operating System: Windows ,Linux ,VxWorks

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Operating Temperature : -40°C to 85°C

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

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#### Order Part Number:

- NES-STRIKER 11850-01-200 i7- 11850HE 2.6Ghz /4.2Ghz
- NES-STRIKER 11865-01-210 11865MLE 1.5Ghz/4.0Ghz
- NES-STRIKER 11500-01-220 i5- 11500HE 2.6Ghz/4.1Ghz
- NES-STRIKER 11100-01-230 i3- 11100HE 2.4Ghz/4.0Ghz
- NES-STRIKER 11865-01-240 11865MRE 2.6Ghz/4.2Ghz