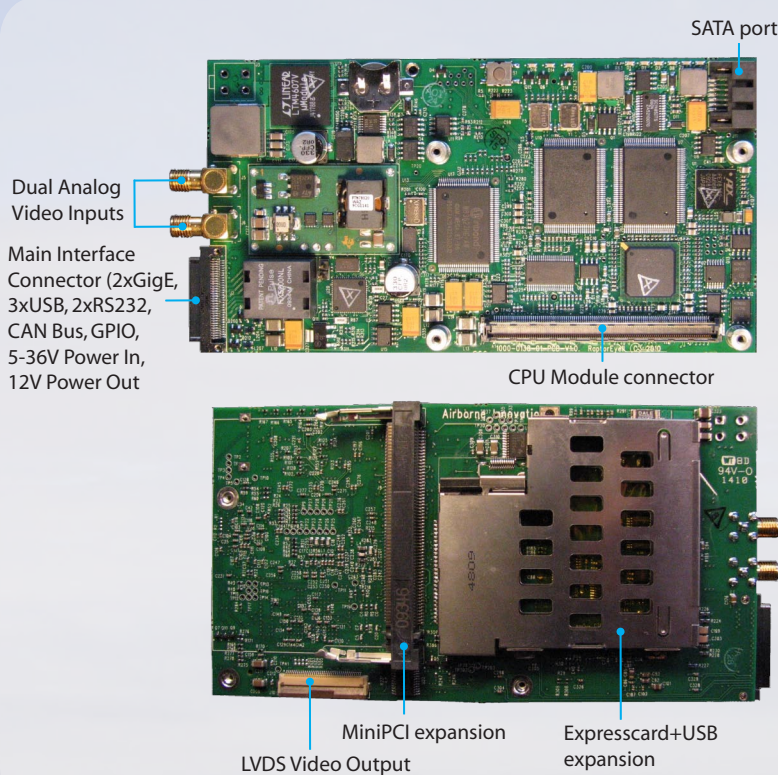


NANOXV Vehicle Computer OEM Board

Ideal vehicle or payload rapid development platform
for UAVs / UGVs / UUVs



Features

NanoETXExpress Carrier Board

Supports Intel®Atom™ Z510, Z530, E630T, E640T, E660T, E680T up to 1.6 GHz

512MB to 1GB RAM

Dual Intel® Gigabit Ethernet

3 USB + 1 USB/Expresscard

Expresscard Storage/Expansion

MiniPCI Interface (expansion available includes broadband 1W radios / Firewire / Ethernet / Serial / Video In/out / Hardware H.264 Video Compression / GPS and more)

SATA

2 COM Ports

CAN Bus

GPIO

Efficient Wide Input Range Power Supply (5-36V in)

12V Output @ 2A Payload Output

Specifications (Including CPU Module)

System

- **CPU** Intel®Atom™ Z510 / Z530 CPU
- **System Chipset** Intel® System Controller Hub US15W
- **I/O Chip** Winbond W83627HG
- **System Memory** 512MB / 1GB DDR2 SDRAM
- **Flash Storage** 512MB / 2GB / 4GB onboard flash drive
- **Watchdog Timer** Provided by CPU module

I/O

- **Serial** 2x RS232
- **CAN Bus** Microchip MCP2515 CAN 2.0B Controller
- **USB** 3xUSB 2.0 + 1 USB on Expresscard Connector
- **Analog Video In** 2x Conexant Fusion 878A
- **SATA** Supports 1.5 GBit/sec
- **GPIO** 4 Bit digital input/output

Display

- **Chipset** Integrated Intel® Graphics, Intel® GMA 500, HDTV/HD capable, Decoder for MPEG2(HD) / H.264
- **Graphics Memory** Up to 256MB
- **Resolution** LVDS 18/24bit 1376x768@85Hz
SDVO 1920x1080@50Hz (optional)

Ethernet

- **LAN** 2x Intel® 82574L Gigabit Ethernet

Physical

- **Board Dimensions** 140 x 75mm (5.51" x 2.95")
- **Weight** 120g (0.26 lb)
- **Power Required** 5-36V DC
- **Power Output** 12V @ up to 2A external, 5V + 12V internal

Custom boards, i/o, and form factors are possible.
Please get in touch with your requirements!