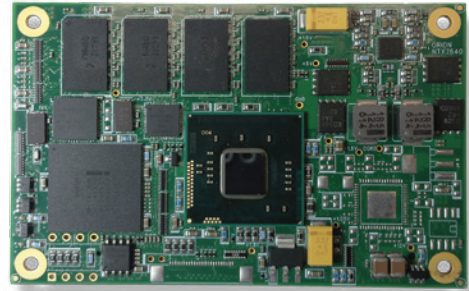




A Phoenix Mecano Company

# NTX7640 ■

Ultra Low-Power, Extended Temp. Intel Core, Cedarview based SBC for COM Express Mini



Your Partner in Embedded Solutions

## Features

Intel® Cedarview 1.6GHz Dual Core processor

Intel® NM10 Chipset

Ultra small form factor (55mm x 84mm) with enhanced ruggedization

COM Express Type 1 Signaling

On-board temperature monitoring

Up to 1GB soldered of DDR3 SDRAM

Intel® HDA Audio

On-board SATA NAND Flash Drive (Bootable)

Eight USB 2.0 ports

LVDS and VGA Video

Low Pin Count (LPC) bus

I2C Interface

Insyde Software BIOS

Various Board Support Packages (BSP's) available including Linux, WindRiver VxWorks & Windows

For a more in-depth analysis visit our website at [www.orion-technologies.com](http://www.orion-technologies.com)

*Orion has successfully generated products utilizing an extensive assortment of microprocessors since 1990. Our single board computer product offering includes both custom and standard form factors such as VPX, VME, Compact PCI, XMC, and PMC.*

*Whether it's a small quantity, one-time requirement or a high volume product for years to come, we would like to be your partner in embedded solutions.*

## Ordering Options

NTX7640-ABCD

A - Processor Options

1 = N2600 1.6GHz Dual Core

2 = N2800 1.8GHz Dual Core

B - Memory Options

1 = 512MB DDR3, 2GB SATA Flash Drive

2 = 1GB DDR3, 2GB SATA Flash Drive

C - Reserved

0 = Reserved (Must be 0)

D - Environmental

1 = Commercial Temp.

2 = Extended Temp.



# Block Diagram

