



# ACR301

## Intel Atom Based Rugged 3U CompactPCI Single Board Computer

### Features

- 3U CompactPCI Rugged Single Board Computer
- Ultra Low Power Intel® Atom Processor up to 1.6 GHz
- Integrated DDR2 memory controller as well as 3D graphics engine
- 512 KByte L2 Cache
- 1 GByte soldered DDR2 SDRAM
- Up to 8 GByte NAND Flash (soldered)
- Rear IO:
  - 2x Gigabit Ethernet ports
  - 1x PMC I/O
  - 1x VGA
  - 2x SATA port
  - 2x COM ports
  - 2x USB ports
  - 8x GPIO
- Optional BIOS backup Flash
- Optional conduction cooling
- Optional extended operating temperature range
- Operating system support for VxWorks®, Linux®, and Windows®

The ACR301 Rugged Single Board Computer (SBC) from GE Intelligent Platforms features the ultra low power Intel Atom processor platform. Atom offers integrated graphics and memory controller plus processing up to 1.6 GHz.

### Features of the ACR301 Include:

- Low power performance
- 400 MHz Graphics clock
- Four PCIe x1

The low power processor allows the ACR301 to provide substantial computing power in a compact form factor that fits into the sub15W application space.

The ACR301 is designed to meet the requirements of a wide range of applications from industrial through to fully rugged Defense and Aerospace programs. It offers extended temperature capability and a range of air and conduction cooled build levels.

Available in five air- and conduction-cooled build levels, the ACR301 is fully supported by comprehensive Deployed Test Software (BIT and BCS) and OS support for VxWorks, Windows and Linux.



