

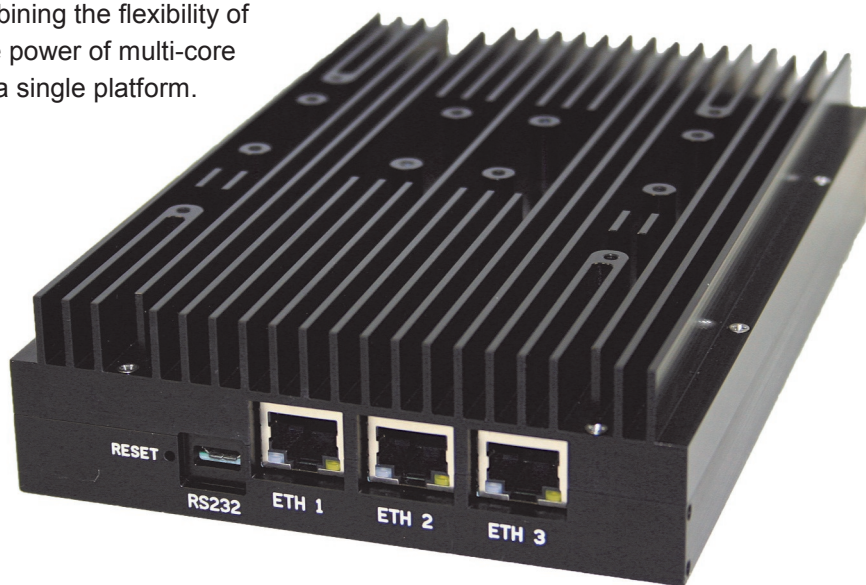
AVS-1030 Wireless Communications Processor

The Next Level of Software Defined Radio

APPLICATIONS:

- WiMax 802.16d, 802.16e, WiBro
- HSDPA, WCDMA, TD-SCMA, CDMA 2000/EVDO, LTE
- GSM, GPRS, EDGE, EGPRS
- 802.11 a, b, g, n
- Beam Forming, FFT Coprocessor, Signal Processing, Energy Detection
- Network Processing

The AVS-1030 leads the way into the next generation of Software Defined Radios by combining the flexibility of FPGAs and the power of multi-core processors on a single platform.



Rugged Stand Alone Chassis

KEY FEATURES:

- Two picoChip™ PC203-10 273 core Base Station PHY Layer Processor
- Optional dual PC203-10 expansion card provides for 4 total PC203-10 processors
- Each PC203-10 has 128 MB of memory
- Xilinx SX50T FPGA; optional SX95T; FPGA has 128 MB DDR2 memory
- 833 MHz powerQuicc processor running the Linux operating system with 512MB
- Half length 8 lane PCI Express. Each lane capable of full duplex 2.5 GT/sec
- Three RJ-45 Gigabit Ethernet ports
- Dual RS232 interface
- Optional rugged stand alone chassis (shown above)

Avid Systems, Inc.

2904 Back Acre Circle Suite 101

Mount Airy, MD 21771

301.703.8195 phone

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See other side.

avid
SYSTEMS, INC

ADDITIONAL SERVICES:

Custom Collaboration:

Avid Systems will modify existing products to specific customer requirements then move those changes into a COTS product. This collaborative effort reduces design time and provides product life cycle support.

Hardware Acceleration

Expand your system capability and move your server based processing to this high speed hardware accelerator.

Custom Processing

Leverage our signal processing expertise to design custom demodulators, signal detectors, or your newest high data rate processing requirement.

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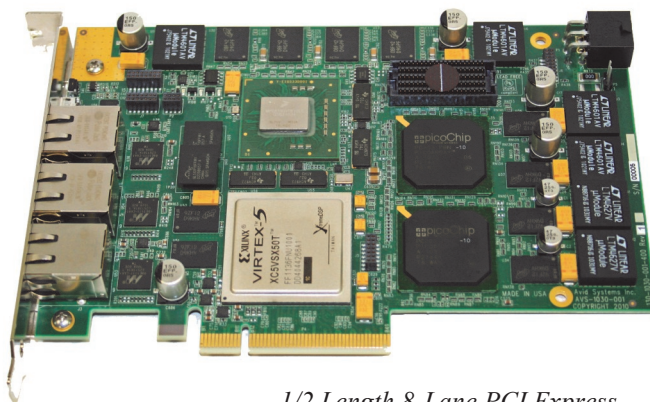
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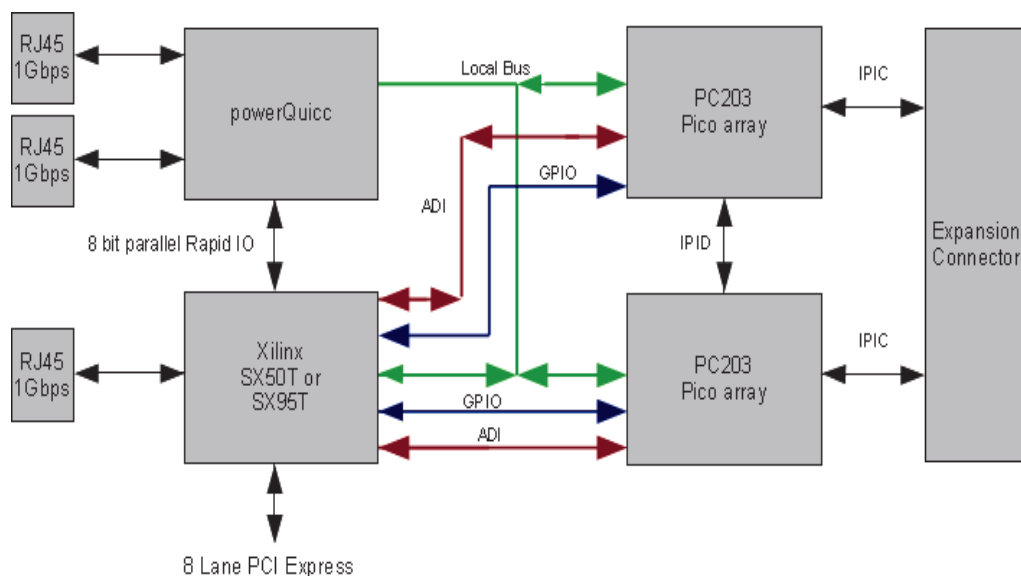
PC203 Capabilities:

- 31 GMAC/S 160 GIP/S
- Quad FFT/IFT Engine
- Dual Correlation Blocks
- Integrated Cryptographic Engine AES/DES/3DES
- FEC Accelerator Turbo, Reed Solomon, Viterbi
- Proven 4G and wireless IP available



1/2 Length 8-Lane PCI Express

Architecture



See other side.

avid **SYSTEMS, INC**