

# EP4376

The EP4376 is compact, cost-effective, and powerful platform for developing high performance industrial and general control platforms. The module will fit into compact spaces, while the USB port, and 1 Gigabit Ethernet port and the EBC connector provide the necessary control I/O. The External Bus Connector (EBC) provides direct access to the TI 437x processor interfaces. At the heart of the EP4376 is the Texas Instruments Sitara 437x processor family with ARM Cortex A9. The processor includes a coprocessor for deterministic, real-time processing including industrial communication protocols, such as EtherCAT, PROFIBUS, EnDat, and others.



Access to the PRU and ADC features of the 437x are available. Uboot and Linux software are also available for the EP4376.

## Feature Summary:

Specification:	Description:
Processor:	NAM437x CPU
DDR Memory:	2GB x32 DDR3L DRAM
Flash:	4MB SPI Flash 8GB eMMC 64MB QSPI NOR flash (Optional)
Ethernet:	MII via expansion header 1000M Ethernet via RJ-45. (Optional)
External Storage:	On-board uSD card socket
Expansion Header Signals:	1x MII (no PHY) 2x SPI 1x 1-Wire 3x UARTs Multiplexed I/O signals 1x USB 8x ADC 2x CAN ports 1x I2C 1x Enhanced PWM Display Subsystem via expansion header. Programmable Real-Time Unit Subsystem and Industrial Communication Subsystem via expansion header.

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## M2M Data Access and Management

