FEATURES

- Versatile Cirrus Logic EP9315 SOC CPU with floating point and signal co-processor

- Multimedia including graphics accelerator, multiple LCD and display options, and high quality stereo audio

- Large selection of I/O types

- Low power and cool operation
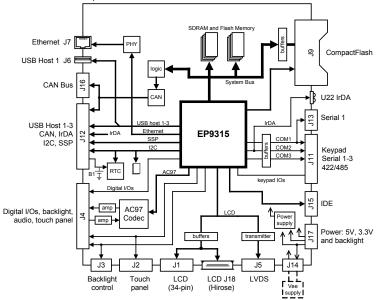
- Windows CE and Linux support

- Fully RoHS compliant

Simplify and speed your product development with the robust I/O, storage, and versatility of the Sphere II Single Board Computer (SBC) from Eurotech. Featuring the Cirrus EP9315 System on Chip, the production-ready Sphere II brings a total processing and interface solution to today's embedded application requirements and provides strong calculation features interfacing to a wide range of devices while supporting mass storage application requirements. The Sphere II is stingy on power and heat with I/O including Ethernet, CAN and SPI networking, USB, EIA serial, IrDA, and I2C. These features are leveraged with floating point, signal processing and graphics co-processors, memory card, IDE storage support and multiple display types, touch panel, and human interface options.

With this breadth of Sphere II features and performance, you can quickly advance your project beyond the challenges, expense and time common to new designs to get your product to market quickly. The Sphere II Single Board Computer from Eurotech is the right solution for your product needing sophisticated processing, mixed I/O and storage support in a proven, off-the-shelf platform.

EuroTech Inc
A MEMBER OF EUROTECH GROUP

Sphere II

Specifications*

PROCESSOR	Cirrus Logic EP9315 system-on-chip processor 200 MHz, 32-bit ARM920T core 100 MHz system bus
GRAPHICS/VIDEO	LVDS and logic-level flat panel interface Backlight brightness and on/off control signals 4/5/7/8-wire Resistive touch panel interface Passive LCD contrast control
AUDIO	AC '97 codec Stereo microphone input Stereo 1W speaker outputs Headphone output
MEMORY AND STORAGE	64 MB synchronous DRAM (supported up to 128MB) 32 MB flash RAM CompactFlash Type I and II, 3.3 and 5 V IDE interface for hard disk CD-ROM drives
OPERATING ENVIRONMENTS	Windows® CE 5.0 Linux

COMMUNICATIONS AND I/O	Three USB 2.0 Host ports (Low / Full Speed)
	Three Serial Ports
	  o 7-wire EIA-232, 3.3V logic (option)
	  o 5-wire EIA-232, 3.3V logic or IrDA
	  o EIA-422 / 485, 3-wire, 3.3V logic (option)
	10 / 100BT Ethernet with RJ45 connector
	CAN 2.0b
	I2C
	SPI / SSP
	8x8 matrix keypad or sixteen digital I/Os
	Up to twenty additional general-purpose digital I/Os

PHYSICAL	Board dimensions 4.0 x 4.6 inches (102 x 117 mm) Commercial temperature 0° to 70° Extended temperature -40° to 85° C RoHS compliant
PERIPHERALS	Onboard real time clock

*Specifications and features subject to change without notice
See our website for latest updates and more information
www.eurotech-inc.com

About Us

Eurotech delivers embedded computer systems for high capability and low power applications, networking and wearable computing solutions, and application framework middleware for multimedia, industrial, transportation, medical, and wireless applications. Eurotech platforms allow OEM and enterprise customers to focus on their core revenue-generating products and services and get to market quickly.

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