element14
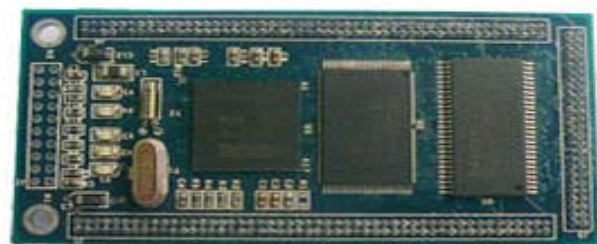### Your Electronic Engineering Resource

embest

Embest - HY2440-G - S3C2440 Core Board

Product Overview:

The S3C2440 Core Board II is based on the high performance Samsung S3C2440 ARM920T processor which works at up to 400MHz. The board has 64MB SDRAM and 64MB NAND Flash, provides various power supply methods and supports WindowsCE4.2/5.0, 6.0 and Linux2.6. The stable and reliable performance and very small size makes it be able to apply to variety of handheld devices.

Key Features:

- Fully support Windows CE4.2/5.0, 6.0 and Linux2.6
- Samsung S3C2440A, based on ARM920T, 400MHz
- 64MB SDRAM and 64MB NAND Flash
- JTAG interface
- Four LED indication lights
- Extend all the I/O interfaces, convenient for the further development
- Variety of power supply methods
- Dimension: 85 x 54 x 1.6mm
- Six PCB layers, stable and reliable performance

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
HY2440-G	Embest	NA	64R5916

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
SPC19944	SPC Technology	Shielded Serial Cable Assembly	1702771	83K3689

SPC15457	SPC Technology	Standard 9 Pin D-Subminiature Connector	1653954	79K5032
SPC21961	SPC Technology	Category 5e Cable Assembly	1363809	21M5875
555052-1	Tyco Electronics	RJ45 JACK	1557068	66F3284
897-43-004-90-000000	Mill Max	USB Connector	1621546	84K7068

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
LPCEB2000-SP	Embest	Processor Card Based ARM	LPC2129	NA	64R5924
LPCEB2001-AP	Embest	Processor Card Based ARM	LPC2132	NA	64R5926
LPCEB2002-BP	Embest	Processor Card Based ARM	LPC2292	NA	64R5928
MINI9261-I	Embest	Processor Card Based ARM	AT91SAM9261S	NA	64R5937

Document List:

Datasheets:

Part Number	Description	Size
MAX3232	RS-232 Transceivers	752KB
LM1117DT-ADJ	800mA Low-Dropout Linear Regulator	647KB
S3C2440A	ARM920T 32bit Microprocessor	3.3MB