

3.5" SBC

PC/104
Module

Computer
On
Module

Embedded
Box
Computer



EBC Series ARM9/ARM11/XSCALE Based Embedded Box Computers

Software

- Linux 2.6.25
- WinCE 5.0
- System Utilities

Hardware Features

- ARM9/ARM11/XSCALE based SOC
- 1 ~5 x RS232 connector
- 1 x CompactFlash Slot
- 1 x IDE Interface
- 1 x SD Slot (WinCE only)
- 4 x USB host connectors
- 1 x 10/100Mhz Ethernet connector
- VGA D-type connector (Up to 1280x1024)
- Microphone input and Headphone output

The embedded box computer line takes advantage of Embedian's large variety of embedded boards and modules. They are compact embedded controllers designed for space or power consumption critical embedded applications. The series comes housed in an extremely compact cast SECC sheet metal chassis with 1mm that provides great protection from shock, vibration, dust, cold and heat while acting as a functional heat sink to ensure lower temperature operation. The Embedian embedded box computers also accept wide range power inputs from 6V to 27V. It makes them best candidates for vertical applications.

With Linux 2.6 or Windows CE and all drivers pre-installed, users could easily migrate or develop their application programs in very short time. To learn more about how our embedded SBCs is going to help you, please contact Embedian (www.embedian.com).

Features

Product Model		EBC-7110 Series	EBC-8100 Series	EBC-6410 Series
				
OS Support	Linux	Linux Kernel 2.6.18 and Debian ARM Linux	Linux Kernel 2.6.25 and Debian ARM Linux	Linux Kernel 2.6.25 and Debian ARM Linux
	WinCE	WinCE 5.0	WinCE 6.0	WinCE 6.0
System Utilities		Software/Firmware Update, Flash Writer, FTP Server and Client, WGet, Telnet/SSH	Software/Firmware Update, Flash Writer, FTP Server and Client, WGet, Telnet/SSH	Software/Firmware Update, Flash Writer, FTP Server and Client, WGet, Telnet/SSH
Electrical Features	CPU	Samsung S3C2440A	Intel/Marvel PXA320	Samsung S3C6410
	Core	ARM920T	XSCALE	ARM1176JZF-S
	Speed	400Mhz	667Mhz/806Mhz	533/667Mhz + H/W MPEG Codec
	Bus Speed	133Mhz	260Mhz	266Mhz
	DRAM Type	SDRAM	Mobile DDR	DDR II
	I/O	5 x RS232s, 4 x USB hosts, 1 x 10/100 Ethernet, GPIOs	5 x RS232s, 4 x USB hosts, 1 x 10/100 Ethernet, GPIOs	5 x RS232s, 4 x USB hosts, 1 x 10/100 Ethernet, GPIOs
	Graphic	SM502	CPU internal	CPU internal with independent VRAM
	Others	VGA connector, IDE Interface	256KB L2 Cache, VGA connector, IDE Interface	Encoding and decoding of MPEG-4/H.263/H.264 up to 30fps@SD, VGA, TV-out, IDE
	Expansion	CF, USB, SD	CF, USB, SD	CF, USB, SD
Power Consumption		5V@300mA	5V@350mA	5V@350mA
Operation Environment	Operating Temperature	-10°C to 75°C (14°F to 167°F)	-10°C to 75°C (14°F to 167°F)	-10°C to 75°C (14°F to 167°F)
	Storage Temperature	-20°C to 80°C (-4°F to 176°F)	-20°C to 80°C (-4°F to 158°F)	-20°C to 80°C (-4°F to 176°F)
	Humidity	0 ~ 95% relative humidity (non-condensing)	0 ~ 95% relative humidity (non-condensing)	0 ~ 95% relative humidity (non-condensing)
Physical Characters	Dimension	L x W x H: 210mm x 110mm x 45mm	L x W x H: 210mm x 110mm x 45mm	L x W x H: 210mm x 110mm x 45mm
	Weight	1.5kg	1.5kg	1.5kg

Embedian reserves the rights to make changes without notice for any reason at any time, including but not limited to improving the reliability and changing the specification. Please contact Embedian for current update information.