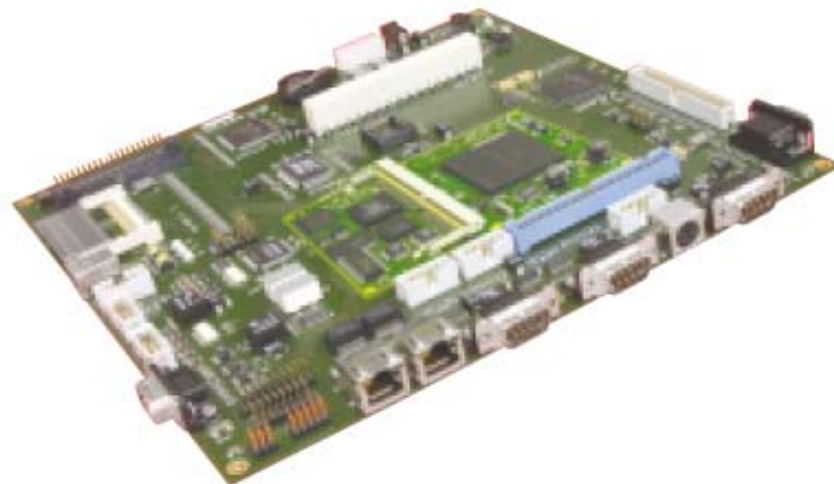


3.5" SBC

PC/104
Module

Computer
On
Module

Embedded
Box
Computer



APC Series 3.5-inch ARM9/ARM11/XSCALE Based Single Board Computer

Software

- Linux 2.6.25
- WinCE 5.0/6.0
- System Utilities




Hardware Features

- ARM9/ARM11/XSCALE based SOC
- 4~6 x RS232s
- 1 x CompactFlash Slot
- 1 x IDE Interface
- 1 x SD Slot (WinCE only)
- 4 x USB Hosts
- 1 x 10/100Mhz Ethernet
- LVDS/VGA (Up to 1280x1024)
- 12 x GPIOs
- AC97 Audio

Embedian 3.5-inch embedded ARM/XSCALE PCs are off-the-shelf solutions for applications requiring low power, embedded but PC functionality, flexible expansion and mechanical integration. They are features state of the art technology, aiming at low power systems that require high CPU performance. They also provide all the interfaces needed in a modern embedded device. They are designed for mobile/stationary computers in high performance but require low power consumption and space critical embedded systems. 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.

The standard industrial form factor, wide product range of choices, rugged and well-defined inputs and outputs make the SBCs perfect for embedded applications. To learn more about how our embedded SBCs is going to help you, please contact Embedian (www.embedian.com).

Features

Product Model		APC-7110 Series	XPC-8100 Series	XPC-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, FTP Client, WGet, Tar, gcc, TFTP Download.	Software/Firmware Update, Flash Writer, FTP Server, FTP Client, WGet, Tar, gcc, TFTP Download.	Software/Firmware Update, Flash Writer, FTP Server, FTP Client, WGet, Tar, gcc, TFTP Download.
Electrical Features	CPU	Samsung S3C2440A	Intel/Marvel PXA320	Samsung S3C6410
	Core	ARM920T	XSCALE	ARM1176JZF-S
	Speed	400Mhz	667Mhz/806Mhz	533Mhz/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, 2 x 10/100 Ethernet, GPIOs	6 x RS232s, 4 x USB hosts, 2 x 10/100 Ethernet, GPIOs
	Graphic	CPU internal or SM502	CPU internal	CPU internal with independent VRAM
	Others	LVDS/VGA, IDE	256KB L2 Cache, LVDS/VGA, IDE	Encoding and decoding of MPEG-4/H.263/H.264 up to 30fps@SD, LVDS/VGA, IDE, TV-out
	Expansion	CF, USB, SD	CF, USB, SD	CF, USB, SD, , system bus
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 176°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 H: 147mm x 102mm	L x H: 147mm x 102mm	L x H: 147mm x 102mm
	Weight	120g	120g	120g
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.				