

shortening your application development time!



ICnova ADB4000 + ICnova SAM9G45 SODIMM

- complete development environment
- wide application range
- brilliant 8" Touch-TFT with 800 x 480 pixels
- running ANDROID 1.6 & Linux 2.6.32



PRODUCT	Name	ICnova SAM9G45 SODIMM	ICnova ADB4000
	Class	Computer on Module	Development Board
	Order Number	No. 901.227	No. 901.234
COMPUTER ON MODULE	Processor	Atmel AT91SAM9G45	
	Frequency	ARM9, 400MHz	
	Memory RAM/NOR/NAND	DDR2 128MB, NOR 8MB, NAND 256MB	
	Power supply	3.3V to 5.5V (3.3V I/O level)	
	Size	SO-DIMM 200	
	Temperature range	(-20 °C ... 70 °C...normal) (-40 °C ... 85 °C...industrial)	
KEY FEATURES	Ethernet	1x 10/100 Mbps with PHY on board	1x 10/100 Mbps
	USB Host/Device	480MBit, 2xHost, 1xDevice	480MBit, 4xHost, 1xDevice
	LCD Controller	up to 2048 x 2048 pix ; 24 bpp	8" LCD Display
	Image Sensor IF	1	1x (on pinheader)
	UART	4 + 1 DBG	1 DBG + 2x ICradio + 3xRS485
	MMC / SDIO	2	2x µSD-Card
	SPI / SSC / AC'97 / CAN	2 / 2 / 1 / -	- / 1 / - / -
	I2C	2	1
	ADC / DAC	8 / -	7 / -
	further Peripherals		RTC, Audio Codec, 5x digital Input, Relay, Buzzer, 2x analog Sensor Input (0-10V or 4-20mA)
	usable I/O Lines	134	45
	OS support	Linux 2.6.33, Android 1.6	Linux 2.6.33, Android 1.6
	DEVELOPMENT SYSTEM	suitable development boards	ICnova ADB4000