



i.MX31 ADS and i.MX31 LITEKIT COMPARISON CHART

Currently, there are only two development kits available to evaluate the Freescale i.MX31 processor: the i.MX31 ADS and the i.MX31 LITEKIT. Below is a feature-by-feature comparison between the two kits.

FEATURE LIST	i.MX31 ADS	i.MX31 LITEKIT
Developed by	Freescale	Logic
Development kit price	\$3990	\$675
Freescale P/N	MCIMX31ADSE	MCIMX31LITEKIT
Operating system support	Windows CE, Linux, Nucleus	Windows CE, Linux, Nucleus
Baseboard with display and interface connectors	Y	Y
CPU board with i.MX31 ARM11 MCU	Y	Y
Power management with MC13783 chip	Y	Y
LCD display panel available (ADS: 3.5" QVGA TFT Portrait; Logic provides optional QVGA \$429, VGA \$799, and SVGA \$879 TFT display kits)	Y, standard	Y, optional
DDR SDRAM memory	128 MB	128 MB
NAND flash memory	128 MB	64 MB
NOR flash memory (Logic provides small boot flash, NAND used for application code)	32 MB	2 MB
SD/MMC memory card connectors	2	1
CF/PCMCIA connector	1	1
ATA (hard disk drive) interface	Y	Y
RS-232 (DB-9) UART interfaces	3	1
USB host	1 FS, 1 HS	1 HS
USB On-the-Go	1 FS and 1 HS on baseboard, 1 FS on MC13783 board	1 HS
10/100 Ethernet controller with RJ-45 connector	1	1
Audio stereo input and output jacks	Y	Y
PSRAM memory (for cell phone applications)	16 MB	---
SIMM card connector	1	---
Keypad	Y	---
Pro Memory stick connection	Y	---
Mega pixel camera	Y	---
Smart display connector (2)	Y	---
Serial display connector	Y	---
TV encoder connector	Y	---
Buzzer	Y	---
Audio synthesizer (Yamaha) connector	Y	---
Board dimensions	273 mm x 302 mm	146 mm x 159 mm