

AMOLED Development Kits - V-DUO

The ONLY development platform required for evaluating Densitron's AMOLED & TFT displays!

Speed up the development of your display application with Densitron's proprietary V-DUO

(Video Densitron USB OLED) Kit – A standalone ARM-9 platform that allows easy software development.

V-DUO was developed with reducing engineers' time and financial commitment to the display development process in mind. The powerful and user-friendly Kit can considerably shorten the development cycle. With a baseboard which is compatible with the transition boards of most Densitron TFT and Active Matrix OLED (AMOLED) panels, a V-DUO Kit is all it requires for evaluating the wide range of displays on offer from Densitron, making it a worthwhile investment. V-DUO will be available for 2", 2.4", 2.8" and 7.6" AMOLEDs by the end of the 1st quarter, 2009.



Hardware Features	Software Features
<ul style="list-style-type: none"> • ARM926EJ-S core with 1GB internal flash and 128Mbyte DDR2 • Stand alone kit with Li-ion battery Power by USB or AC adaptor • Small form factor (~94 x 84 mm) • Supports AMOLED and TFT Displays via Transition boards • Supports resolutions up to 1366x768 @ 18bpp (static images) and Video up to HD • Up to 24-bit colour depth • Communication interfaces: RS232, USB host & slave • Touch screen support • 6 input keypad interface • HW accelerated video playback • Composite video input • Micro SD card support 	<ul style="list-style-type: none"> • Linux operating system with 2.6.18 kernel (Montavista) • PC application software to control V-DUO operation via USB port • Picture slide show, Video (MPEG4 SP) playback • Composite video capture control, Video and JPEG Slideshow • Touch screen calibration and demo • Brightness control • Full access to display driver IC registers via proprietary command set.

Kit Code ▲	Size (inches)	Display Part Number	Display Interface Used	Transition Board	Controller
AVK-N-2"	2	CO201QILK-C	8 bit MPU	ADT-N-2"	S6E63D6
AVK-N-2.8"	2.4	C0240QGLA-T	8 bit MPU	AVT-N-2.4"	S6E63D6
AVK-N-2.8"	2.8	C0283QGLD-T	8 bit MPU	ADT-N-2.8"	S6E63D6
AVK-N-3.5"	3.5	P0340WQLC-T	16 Bit RGB (Data), SPI(Command)	AVT-N-3.5"	HX5116
AVK-N-4.3"	4.3	P043WQLC-T	16 Bit RGB (Data), SPI(Command)	AVT-N-4.3"	HX5116
AVK-T-3.5"	3.5	P0340WQLB-T	16 Bit RGB (Data), SPI(Command)	AVT-T-3.5"	HX5116
AVK-T-4.3"	4.3	P0430WQLB-T	16 Bit RGB (Data), SPI(Command)	AVT-T-4.3"	HX5116