VM801P

'Plus' module with capacitive touch display

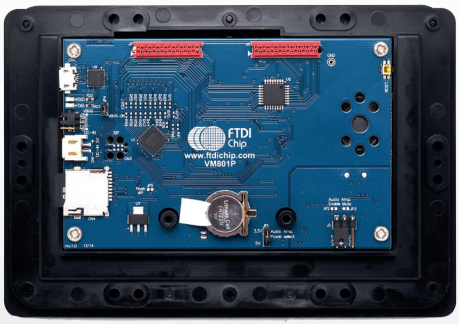
The ever-expanding 'Plus' series now includes an Arduino controlled capacitive touch display solution in the VM801P. This module features an FT801 chip with 3-in-1 operation (display, audio and touch) in addition to supporting multi-touch (up to 5 touch points) and gesture control. Programming and configuration is easily achieved via the Arduino IDE using a pre-programmed Arduino-compatible bootloader, ensuring that the device provides engineers with everything necessary to create high quality HMI solutions.

Two popular display sizes are available – 4.3" and 5.0", provided within a hard-wearing, precision fit bezel with WQVGA resolution and a choice of black (-BK) or pearl (-PL) colours.

- **VM801P43A-BK** 4.3" display with black bezel
- **VM801P43A-PL** 4.3" display with pearl bezel
- **VM801P50A-BK** 5.0" display with black bezel
- **VM801P50A-PL** 5.0" display with pearl bezel

Adding to the VM800P/VM801P 'Plus' range:

An extensive range of expansion cards, designed to support the VM800P and VM801P modules, allow EVE to connect to a wider system and become the focal point of it's control and display interface. With a simple Arduino SPI interface accessed over the VM800P or VM801P Micro-MaTch connectors, access to Serial, Control and even Ethernet systems can be achieved.



Serial Adaptors:

- **VI800A-TTLU** Full Duplex UART bridge, speed up to 5M Baud, 5V tolerant I/O, GPIO (4 input/4 output), Status LED
- **VI800A-232U** Full Duplex RS232 bridge, speed up to 1M Baud, GPIO (4 input/4 output), Status LED
- **VI800A-N485U** Full Duplex RS485 bridge, speed up to 500Kbps, GPIO (4 input/4 output), Status LED

Control Adaptor:

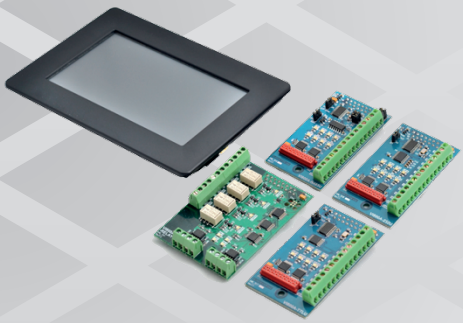
- **VI800A-RELAY** 4 Changeover Relays and 4 Opto-Isolated Inputs bridge, Status LEDs

Network Adaptors:

- **VI800A-ETH** Ethernet Bridge, 10/100M base-T, RJ45 connector with status LEDs
- **VI800A-POE** Power Over Ethernet Bridge, 10/100M base-T, RJ45 connector with Status LEDs

Others:

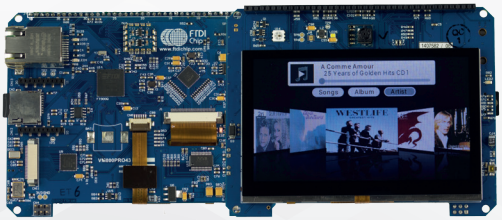
- **VA800A-PROG** Arduino Boot Loader recovery module that offers an alternative access port to the ATMEGA328P of the VM800P/VM801P



VM801PRO

PREVIEW

'Pro' module with capacitive touch display



The VM801PRO is built with FTDI Chips' new 32-bit microcontroller, the FT900 plus the FT801 with capacitive touch screen display. The display itself is controlled from the FT801 and as such is designed to support multi-touch (up to 5) gesture control. It can integrate XBEE WiFi, Bluetooth or Zigbee wireless modules on board, in addition to codec, camera, Ethernet, CAN, ADC, DAC, GPIO, UART and I²C interfaces.

Key features of the VM801PRO include:

- 4.3"WQVGA with capacitive touch display.
- Support multi- 5 points touch.
- Built-in Codec with stereo headphone output and power amplifier driving a 1.4W speaker.
- Built-in microphone support.
- Support connectivity to Ethernet, SD card and USB host and device port.
- Support XBEE module interface that could connect to WiFi, Bluetooth or Zigbee modules.
- Support extended connector for CAN, ADC, DAC, GPIO, UART and I²C interface.
- Built-in VGA Camera module with 640*480 resolution.
- One wire interface for programming and debugging.
- Support 24 bit-colour RGB LED indicator.
- Support on-board high powered flash LED with flash and torch mode.
- Support single 5V power supply from USB port or power jack.

Eve Support Suite Update

Expanding on the popularity experienced by the initial release of the FT800/FT801 screen editor, FTDI Chip have significantly expanded the functionality of this tool.

Included in the release package is a new Emulator Library that facilitates running code generated in alternative tools (e.g. MSVC) to be simulated in the EVE Emulator output window, allowing for rapid design verification.

Additionally, the ability to connect to external hardware, such as the VM800B, VM800C, VM800BU or VM801B, and run display lists developed in the EVE screen editor (no coding) is now available, allowing for a real world experience of how a display list may look on the hardware.