



Bridgetek Further Strengthens Portfolio of Hardware Supporting its Microcontroller & Display Product Lines

With new development module & Wi-Fi add-on now available

20th June 2017 - Building on the success of its *CleO* smart display offering and the array of accessories that accompany it, Bridgetek has now brought wireless connectivity into the mix. Transmitting and receiving in the 2.4 GHz frequency band, the *CleO35*-WiFi module is compliant with the commonly used IEEE 802.11b/g/n Wi-Fi standards. With the objective of enabling the control and monitoring of smart devices within the domestic environment, it can achieve +20dBm output power when in 802.11b mode. Support for WPA and WPA2 wireless security safeguards against unauthorized access to data streams. Drawing off a 3.3V supply, this module is supplied with a standard 16 pin 0.5mm pitch FFC cable that allows it to be connected directly to *CleO35* board (with 3.5-inch TFT display) or to the *CleO*-IO shield so that it can be utilized by the larger *CleO50* board (with 5-inch TFT display). Core to the module's operation is an Ai-Thinker ESP-12S Wi-Fi subsystem. This is based on the compact, highly integrated 32-bit ESP8266 processor - with antenna switch, RF filters, power amplifier, low noise receive amplifier, digital peripheral interface and power management functions all included.

In addition, the company has introduced a new development module for its FT93x series of 32-bit performance-optimized microcontroller units (MCUs). The compact, streamlined and simple to use MM930Lite module complements Bridgetek's existing suite of development hardware and software tools. It provides engineers with a platform upon which they can evaluate the performance parameters of the MCU, carry out initial prototyping, or even

construct sophisticated systems from the ground up within a short period of time. Among the applications for which the MM930Lite is most suited are building security/door entry mechanisms, home automation infrastructure, industrial control implementations and embedded multimedia equipment. As well as its MCU, the module features 8MBytes of embedded Flash memory resource and a Micro SD card port for accommodating external memory. A broad range of interfaces are incorporated too. These include a Micro-B USB port for connecting to a USB host or delivering power to the module (as an alternative to the +5V DC supply connector), a 2.54mm pitch dual entry female header in a 2 x 8 pin arrangement, a 2 x 5 pin 1.27mm pitch female Micro-MaTch connector for software updating purposes, plus a 16 pin 0.5mm pitch FFC/FPC interconnect for SPI master interfacing (to support attachment to TFT display modules).

About FTDI Chip

FTDI Chip develops innovative silicon solutions that enhance interaction with the latest in global technology. The major objective from the company is to 'bridge technologies' in order to support engineers with highly sophisticated, feature-rich, robust and simple-to-use product platforms. These platforms enable creation of electronic designs with high performance, low peripheral component requirements, low power budgets and minimal board real estate.

FTDI Chip's long-established, continuously expanding Universal Serial Bus (USB) product line boasts such universally recognized product brands as the ubiquitous R-Chip, X-Chip, Hi-Speed and SuperSpeed USB 3.0 series. In addition to both host and bridge chips, it includes highly-integrated system solutions with built-in microcontroller functionality. The company's Embedded Video Engine (EVE) graphic controllers each pack display, audio and touch functionality onto a single chip. The unique, streamlined approach utilised by these ICs allow dramatic reductions in the development time and bill-of-materials costs involved in next generation Human Machine Interface (HMI) implementation. FTDI Chip also provides families of highly-differentiated, speed-optimised microcontroller units (MCUs) with augmented connectivity features, specifically designed with compatibility to its USB and Display product lines in mind. These MCUs are targeted for key applications where they can add value with their superior processing performance and high levels of operational efficiency.

FTDI Chip is a fab-less semiconductor company, partnered with the world's leading foundries. The headquarter is located in Glasgow, UK and is supported with research and development facilities in Glasgow, Singapore and Taipei (Taiwan) plus regional sales and technical support sites in Glasgow, Taipei, Tigard (Oregon, USA) and Shanghai (China).

For more information go to <http://www.ftdichip.com>

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About Bridgetek

Founded in 2016, Bridgetek supplies highly advanced ICs and board level products to meet the exacting demands of a constantly evolving global technology landscape. The company's Embedded Video Engine (EVE) graphic controller ICs each integrate display, audio and touch functionality onto a single chip, thereby dramatically reducing in the time period and bill-of-materials costs associated with developing next generation Human Machine Interface (HMI) systems. These are complemented by its highly-differentiated, speed-optimised microcontroller units (MCUs) with augmented connectivity features.

For more information go to <http://www.brtdchip.com>