

IPC & Embedded Expo 2014 registration is open now

Press release

In August 2014, IPC & Embedded Expo 2014 will be held in Shenzhen, Beijing, Shanghai and Chengdu. As the only large-sized technical exhibition focused on the IPC and embedded fields in China, IPC & Embedded Expo will be working with leading global enterprises – such as Advantech, Artesyn, Congatec, Comstar, EVOC, Jetway, LEXSystem, Norco, Apacer, ADI, Freescale, Fujitsu, Microchip, Renesas, ST, TI, Xilinx and so on – to fully exhibit a variety of embedded technologies including X86, ARM, MIPS, ASIC, FPGA and GPU, etc. as

well as their innovative applications in various vertical industries in order to meet the increasingly diversified requirements for specialization in different industries.

Registration for the event is open to press and guests seeking the latest intelligence on IPC and embedded tech. During the exhibition, seminars themed on hot topics such as medical electronics, smart home, motor control, smart metering and industrial communication will be held. Senior experts engaged in the fields of automation, network communication, security/monitoring, medical electronics, automotive

electronics, digital signage, railway transportation, smarter city, Internet of Things (IoT) will be invited to provide their professional interpretation on how embedded technology can meet diverse specialization requirements for various industries, and lead the industries into an intelligentization revolution.

Frank Yuan, CEO of Comstar Technology, commented: "Participating in the IPC & Embedded Expo had positive effects on our brand promotion. We wish the expo would have a larger scale in the future."

Wang Xiaohua, Project Manager of Midea Group, commented: "The

Internet of Things is the development trend of future products and will have hundreds of billions of industry scale in the future. After participating in the expo, I learned something new, met many new suppliers and got new ideas about the development of our subsequent products. I hope the expo will continue and grow more and more successful."

IPC & Embedded Expo 2013 Review

IPC & Embedded Expo 2013 was held in Shenzhen Convention and Exhibition Center from August 1 to 3, with a total area of 11,000



square meters. The IPC & Embedded Expo 2013 attracted more than 146 exhibitors, about 60 media

establishments at home and abroad reported the event, and over 12,000 professionals visited the tradeshow.

GigaFast launches HomePlug AV2 (gigabit-class) MIMO PLC series and introduces high definition PLC-based home monitoring system

Press release

GigaFast Ethernet, an OEM/ODM manufacturer of HomePlug powerline (PLC) technology equipment, has launched a series of HomePlug AV2 MIMO PLC Ethernet Bridges during Computex. HomePlug PLC technology is an innovative solution that turns electrical outlets into wired network connections by simply plugging a pair of these bridges into sockets without pulling any extra cables. The addition of MIMO technology to PLC utilizes the third ground wire to create multiple paths for data communication.

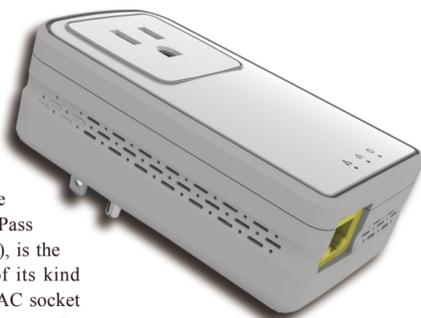
GigaFast's HomePlug AV2 MIMO Ethernet Bridges are a major step forward for multimedia networking, providing better performance and higher quality networking over existing home wiring, as well as additional coverage compared to predecessors. They are interoperable with HomePlug AV, HomePlug Green PHY, and IEEE 1901 certified devices.

GigaFast's HomePlug AV2 Ethernet Bridges provide gigabit-class speed to every electrical outlet, making each outlet ideal for HDTV, IPTV, multi-room HD DVR, online gaming, HD/3D video, HD audio, smart grid utilities management, home monitoring, and

other home networking applications demanding ultra-fast network speed.

The devices can also stream multiple HD video and audio programs on the PLC network. Currently, GigaFast has 4 Homeplug AV2 Ethernet Bridges. The most notable, the small AV2 Pass Through Bridge (PS959-EP65), is the smallest and fastest bridge of its kind with a built-in noise filtering AC socket for another device needing power at the same time.

Also showcasing at Computex is GigaFast's HomePlug HD AV Home Monitoring System: IP Camera with Night Vision (PC11). This home monitoring system is extremely easy to setup since this system is sending signal through existing home electrical wires, eliminating the pulling of long cables. Users can monitor their home anytime from anywhere in the world with iOS/Android devices. Unlike most home monitoring systems, this system does not have website configuration or long serial numbers to enter. The entire setup takes only three easy steps: Simply plug in the camera, download the app for either iOS or Android devices, and scan the



▲ The small AV2 Pass Through Bridge (PS959-EP65) comes with a built-in noise filtering AC socket for another device needing power to be plugged into this socket without taking up another wall socket space

QR code for pairing. This system has a built-in microSD slot to save recorded videos and the recorded videos can be viewed anywhere with an iOS or Android device without any subscription fee. The camera has infrared night vision and email notification for motion detecting. This camera also has 2-way digital audio for listening from and speaking to the surrounding area from the mobile device.

For more information on GigaFast PLC products, visit GigaFast's Computex booth at D0309a, Hall 1, 1F.

AAEON collaborates with Asus Cloud on Intel Quark-based IoT gateway

Press release

In collaboration with Intel and Asus Cloud, AAEON will be revealing the world's first Intel Quark SoC gateway in a live demo at Computex 2014. Named the AIOT-X1000, this platform represents one of the latest technological advances for the Internet of Things (IoT). AAEON is an associate member of the Intel Internet of Things Solutions Alliance.

The AAEON AIOT-X1000 is a gateway platform supporting the Intel Quark SoC X1000 series. The processor core at the heart of this system-on-a-chip (SoC) is a 32-bit, single-core, single-



thread Intel Pentium instruction set architecture (ISA) compatible CPU operating at speeds up to 400 MHz. The SoC includes support for DDR3, Mini-PCIe, Ethernet, USB device, USB host, SD, UART, I2C, PIO, SPI, JTAG, IDE and WinRiver Linux. The AIOT-X1000 also can support CAN Bus, PAN (Wi-Fi, Bluetooth, ZigBee, RFID), LAN (Ethernet, Wi-Fi), and WAN (2G/3G/LTE). Development for the AIOT-X1000 is supported by the Intel Gateway Solutions for the Internet of Things (IoT) Development Kit DK100 and the Intel Gateway Solutions for IoT Production Kit PK100 Series.

"AAEON's AIOT-X1000 is based on the Intel Gateway Solutions for IoT which is a family of platforms enabling companies to seamlessly interconnect industrial devices into an IoT-ready system over cross-platforms. Designed to connect edge devices to the cloud, the AIOT-X1000 gateway is ideal for manufacturing,

transportation and energy applications," said the CTO of AAEON. "By supporting a variety of connectivity protocols, the AIOT-X1000 is a COTS (commercial off-the-shelf) product ready for OEMs and operators."

"Asus Cloud platform is capable of big data computing and storage, connecting and compiling numerous signals on various types of smart devices and sensors to have such signals gathered, computed, and analyzed on the platform. This means our platform enables real-time bilateral control of device availability as well as many innovative applications," said Peter Wu, CEO of ASUS Cloud. "It is a great honor for us to work with AAEON and Intel this time, and I believe our Internet of Things cooperation is going to bring in brand new intelligent applications to the manufacture sector."

Live demos of the AIOT-X1000 for factory automation will be demonstrated to the public in AAEON's booth (K0315a) and Intel's booth (M0820) at Computex in Taipei from June 3-7.

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