Embedded PC WORLD online

October 1, 2000 Vol.33

New Product

Advantech® WEB-2143 Web Scout with Three 100Base-T Ethernet Ports--Available Now!

Advantech starts shipping the WEB-2143 Web Scout, the 2nd generation WebCon 2000 series web controller, this week. The WEB-2143 Web Scout inherits most features of the WEB-2040 with the additional advantage of three 10/100BaseT Ethernet ports that makes it an ideal solution for firewall deployment. The three Ethernet ports provide superior LAN access from router to server and a spare port to a non-critical DMZ database device.

Tel: 886-2-2218-4567
Fax: 886-2-2218-3875
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Application Story

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Manufacturing Story

Advantech Manufacturing Flexibility and Process Improvements Benefit Customers

This is the first part in a series of stories highlighting Advantech's manufacturing capabilities. This first story focuses on Advantech's SMD production lines. Advantech is making significant gains in manufacturing flexibility, capability and efficiency by strategically implementing state-of-the-art equipment, software and process improvements.

Marketing Story

Advantech Participates At Microsoft® Embedded Systems Global Briefings

Advantech is excited to announce its involvement in the Microsoft Embedded Systems Global Briefings being held in Taipei on **October 20th, 2000.** Advantech's COO, Mr. I.J. Lee will make a speeh at the briefings with Advantech also unveiling one of our latest embedded systems running a Windows® CE 3.0 operating system in the exhibition part of the briefings.

Photo Courtesy of Microsoft®

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Taipei, Taiwan September 18, 2000 - Advantech starts shipping the WEB-2143 Web Scout, the 2nd generation WebCon 2000 series web controller, this week. The WEB-2143 Web Scout inherits most features of the WEB-2040 with the additional advantage of three 10/100BaseT Ethernet ports that makes it an ideal solution for firewall deployment. The three Ethernet ports provide superior LAN access from router to server and a spare port to a non-critical DMZ database device. The core module of the Web Scout is Advantech's reputable Card PC utilizing a 486/66MHz CPU with 32MB EDO memory, two RS-232 communication ports and one VGA video output. An optional internal CompactFlash™ memory module can carry up to 128MB. The chassis dimensions, 166mm x 93.8mm x 35.8mm, provide a compact solution for space-critical networking environments. Not only an internet firewall , the WEB-2143 is also your best choice for SOHO All-In-One small servers, SOHO routers, and small industrial controllers and gateways.

WEB-2143 Web Scout with additional harddrive and three ports

Global Internet Access

The WEB-2143 enables your networking system to manage Data Acquisition Modules(DAM), PLC(programmable Logic Controller) intelligently and remotely access control easily through a web browser.

Cost-effective and Intelligent

The WEB-2143 provides a simple, intelligent and cost-effective solution for legacy devices and links them to networking environments with the advantage of data accessibility and remote management.

Easy to Install

The WEB-2143 can be either wall mounted or din-rail mounted for flexible installation.

Expandable with additional 2.5" hard disks

The WEB-2143 can be expanded with additional 2.5" hard disks, which can be slid into the upper of the core module of the WEB-2143 with expanding side-plates and holding deck, to accommodate more sophisticated OS or software applications.

Unique and Innovative

The rugged die-cast aluminum chassis that houses the WEB-2143 serves a dual purpose. Not only does it offer excellent physical and EMI component protection and convenient access to all connections, but it also serves as a functional heat

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sink.

Quick- to- Market

The WEB-2143 adopts field approved core technology- Advantech's Card PC and open-structured carrier board, both driven by Advantech's R&D team, that provide the utmost flexibility to shorten the design cycle and speed up time to market for various ODM/ODM customers.

Contact Advantech today to find out more about the full line of the WebCon 2000 Series. Get in touch with your local Advantech representative or send us an e-mail at wad@advantech.com.tw for more about Advantech's web appliances.

NOTE TO EDITORS: Advantech is an industrial computer company headquartered in Taipei, Taiwan, with offices and sales worldwide. It is an innovative, prolific company, introducing dozens of new PC-based industrial automation and control products each year. These products include data acquisition and control systems, modular industrial computers, industrial PC cards, panel PCs, signal conditioning modules, communication modules, industrial control software and Web Appliances.

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Manufacturing Story

Advantech Manufacturing Flexibility and Process Improvements Benefit Customers

Please Note: This is the first part in a series of stories highlighting Advantech's manufacturing capabilities. This first story focuses on Advantech's SMD production lines. The Embedded Computing Group at Advantech certainly welcomes your comments.

Advantech is making significant gains in manufacturing flexibility, capability and efficiency by strategically implementing state-of-the-art equipment, software and process improvements. These advances significantly increase responsiveness to internal and external customers' needs and allow Advantech to more effectively compete in this highly competitive market. From adding the newest equipment to our SMD lines to integrating the Enterprise Resource Planning (ERP) system with Business-to-Business internet, Advantech is simultaneously improving all business processes to better serve our customers.

Manufacturing Gains Improve Flexibility

Improvements to Advantech's manufacturing lines have increased Advantech's product quality, efficiency and responsiveness levels. For example, capital investment in state-of-the-art equipment used by our three SMD lines (shown on the right) give Advantech the latest technology with the most recent improvements in SMD line automation. However, technician training and strict adherence and continuous improvement of standard operating procedures (SOPs), increases yield rates, quality, flexibility and decreases setup time. Quality and yield rate improvements are realized during final product testing (T2 testing stage) with levels surpassing even Notebook computer industry standards (98% yield vs 95-96% yield common for notebook main boards). Advantech has worked hard to reach this level.

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Flexibility Important to Industrial Market

Decreased SMD line setup time and high yield rates are important to industrial SBC manufacturers. Unlike consumer computing products, industrial products generally involve much smaller production runs. Flexibility at setting up and changing production runs, while still maintaining high quality and yield rates, is where Advantech feels it is leading the industry. This production flexibility allows Advantech to provide better service to its OEM/ODM customers. These customers usually require small volume sample and test runs during the product startup phase. Being quick and flexible at this stage gives the customer a high quality sample product and allows for faster time-to-market capability. This flexibility also allows Advantech to carry a wider range of industrial PC products. Quick and efficient production line changes allow Advantech to be more responsive to market demand and give our customers a more complete product line than our competitors. Providing this flexibility requires constant improvement, improvements which are then passed on to our new products.

Dedicated to Quality

Production line management and efficiency is more than just having the newest machinery. Information gathered through experience has to be constantly analyzed and studied to find areas for improvement. However, the managers, engineers, technicians and factory workers directly involved with the product ultimately control the quality of that product.

Advantech welcomes any comments you might have about this story, Advantech's production capabilities or any other ECG product information. E-mail us at epc@advantech.com.tw anytime.

The October 15th issue of ECG World Bulletin will continue this series with *Making Quality Automatic.*

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Photo Courtesy of Microsoft®

Advantech Dedicated To Embedded System Technology

Advantech is committed to Windows® CE. As a Microsoft direct customer, our engineering team has been working with the Microsoft Embedded Appliance and Platform Group on Windows CE development since its introduction and has accumulated tremendous field application experience both for hardware and software.

Contact Advantech Today

Go directly to the website at http://www.microsoftembedded.com to find out more about this exciting conference or go directly to http://www.microsoftembedded.com/taipei/ to find out more detailed information about the Taipei briefing. Contact Advantech about your Windows® CE project today or get in touch with your local Advantech representative. Send us an e-mail to epc@advantech.com.tw to find out more.

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