



DFI

Cost-effective *Mini-ITX Board* for High-end Pharmacy POS

Applied DFI's Embedded Board for High-end Pharmacy POS Solution

In order to help the customers achieve time-to-market goals as well as reducing total-cost-of-ownership in the field of high-end pharmacy POS application, DFI's embedded board (with product longevity and high reliability) deployed a flexible and innovative solution to cater to all the requirements of customizable POS terminal.

Overview

Region: Europe

Country: Germany

Industry: Retail

Employees: 10,000





“ The pharmacy POS system requires a high computing capability and a rich I/O connectivity to achieve a wide variety of tasks that covers patient ID validation, prescription printing, stock maintaining, and merchandise promotion in a limited space. ”



HU101

The Challenge

Due to the growing importance of smart healthcare applications, improving customer satisfaction, and brand loyalty, a reliable and multifunctional POS system (which optimizes the counter spaces) is becoming an increasingly important element. Thus, in order to stay ahead of the competition and to deliver more valuable and expanded services, pharmacies need a powerful solution to utilize business management and increase service experience quality.

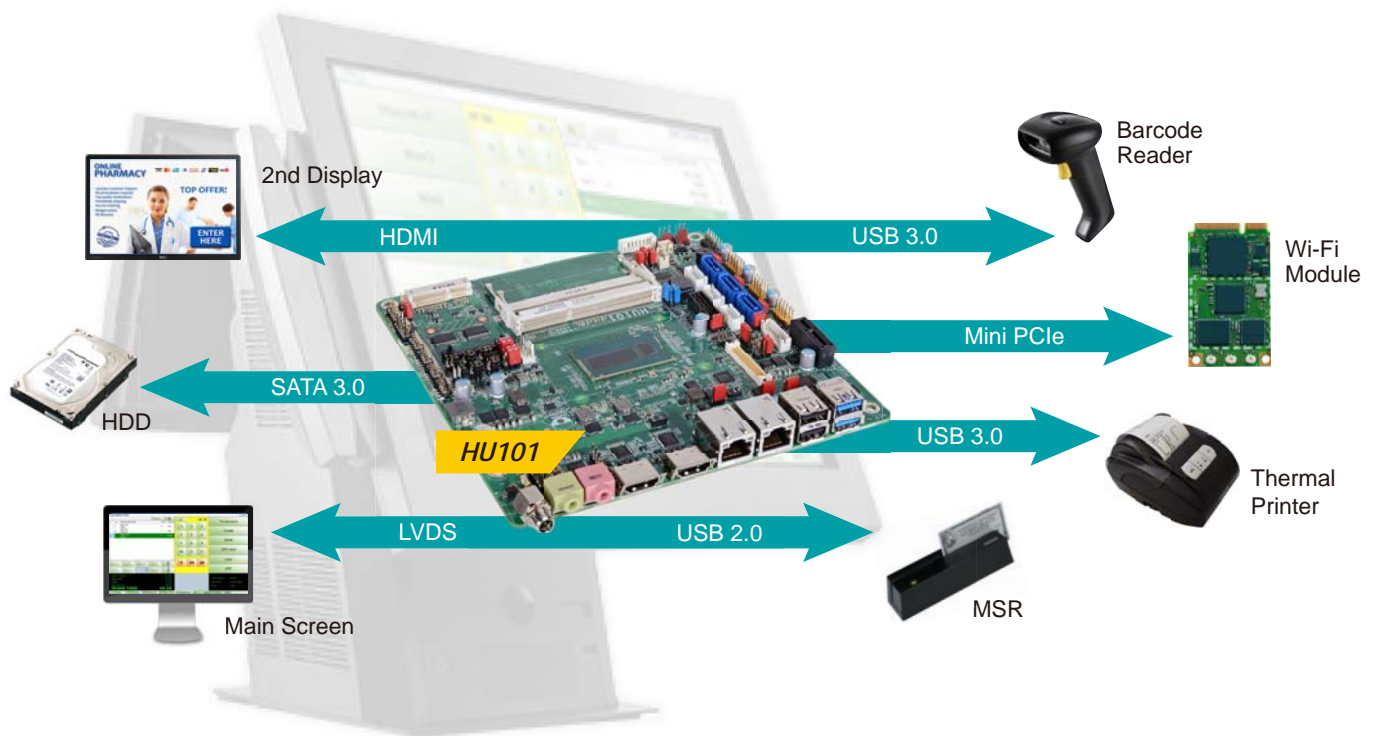
The Requirements

The pharmacy POS system requires a high computing capability and a rich I/O connectivity to achieve a wide variety of tasks that covers patient ID validation, prescription printing, stock maintaining, and merchandise promotion in a limited space. The all-in-one design of POS terminal that supports P-Cap touch screen monitor is a preferable choice to integrate the options such as: MSR, RFID reader, thermal printer, and barcode scanner into one compact machine, providing easy maintenance for users. In addition, a secondary display is needed for broadcasting interactive promotional videos and advertisement for waiting customers.

“ DFI is providing the HU101 Mini-ITX motherboard as a solution for the pharmacy POS application. This thin and energy-efficient embedded board is powered by the low power 4th Gen Intel Core U-Series processors at only 15W TDP, and comes with rich I/O interfaces. ”

DFI Solution

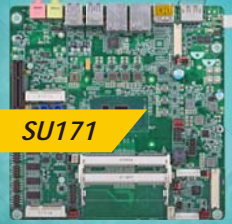
After evaluating the requirements mentioned above, DFI is providing the HU101 Mini-ITX motherboard as a solution for the pharmacy POS application. This thin and energy-efficient embedded board is powered by the low power 4th Gen Intel Core U-Series processors at only 15W TDP, and comes with rich I/O interfaces that include: 2 Gigabit Ethernet ports, 2 USB 2.0 ports, 4 USB 3.0 ports, and 4 COM ports. The USB ports connect the MSR to the thermal printer to quickly access customer’s information and to immediately print out the prescription. The serial ports support the barcode scanner (for medication scanning) to control the inventory and reduce out-of-stock situations. HU101 is also equipped with 2 HDMI ports and 1 LVDS display port with high resolution for real-time dynamic advertisements that will increase the appeal of product promotions and enhance the impact of advertisements. Moreover, DFI is able to provide BIOS/OS customization services to meet customer’s unique requirements. With expansive features, HU101 board is the perfect solution to satisfy the customer’s multiple needs.





HU101

4th Gen Intel® Core™ U-series Processors
 2 DDR3L SODIMM up to 16GB
 1 LVDS/eDP, 2 HDMI
 2 GbE, 4 COM, 10 USB
 1 PCIe x1, 1 Mini PCIe



SU171

6th Gen Intel® Core™ U-series Processors
 2 DDR3L SODIMM up to 16GB
 1 LVDS/eDP, 1 HDMI/DP, 1 DP++
 1 PCIe x4, 2 Mini PCIe, 1 SIM

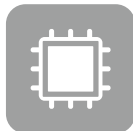
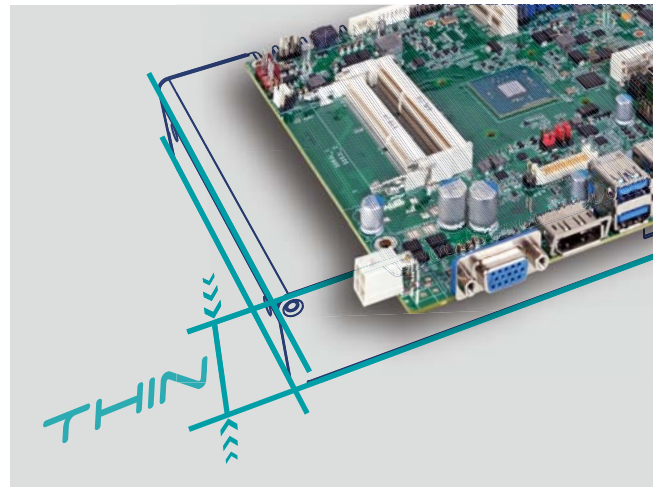


BW171

Intel® Pentium® /Celeron® Processor N3000 Family
 2 DDR3L SODIMM up to 8GB
 1 VGA, 1 LVDS, 1 DP++/eDP
 2 GbE, 4 COM, 9 USB
 1 PCIe x1, 1 Mini PCIe, 1 mSATA, 1 SIM

DFI Thin Mini-ITX

DFI's industrial-grade Thin Mini-ITX motherboards are based on latest Intel platforms. The design concept is to satisfy the trend of tiny chassis and smaller PCs. Thus, Thin Mini-ITX series is only 25 mm in height and it features excellent performance, low power consumption, fanless design and long product life cycle for 24/7 nonstop operation. Systems integrator can capitalize on the benefits of a reduction in total system costs due to a reduced system size. Thanks to its compact and thin design, these motherboards are ideal for many kinds of space-limited applications such as: slim Panel PCs, All-in-One PCs, tiny signage box, and small POS systems.



DFI

Founded in 1981, DFI is a global leading provider of high-performance computing technology across multiple embedded industries. With its innovative design and premium quality management system, DFI's industrial-grade solutions enable customers to optimize their equipment and ensure high reliability, long-term life cycle, and 24/7 durability in a breadth of markets including factory automation, medical, gaming, transportation, smart energy, defense, and intelligent retail.

Website: www.dfi.com

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For more information, please contact your DFI regional sales representative or send us an email: inquiry@dfi.com