Fact Sheet
FUJITSU U-Scan® Genesis® II Self-Checkout

Self-Checkout evolution

Self service checkout is now a consumer expectation in most retail environments. U-Scan has had a leading role in the evolution and innovation of Self-Checkout for more than 20 years. U-Scan Genesis II is an extension of the long line of Fujitsu Self-Checkout products bringing to market many of the latest technologies continuing the Fujitsu heritage of industry-leading, well-designed and highly-durable retail checkout self-service solutions.

"Innovation that Matters"

FUJITSU U-Scan Genesis II provides the same high reliability that retail customers demand from their Self-Checkout solution providers, while at the same time has been carefully redesigned into a new sleek and elegant form factor.

Below the new beautiful exterior, Genesis II's overall performance has improved using faster, more reliable and more energy efﬁcient components.

Support for the latest Intel® processors and Microsoft® Windows® Operating Systems is included in Genesis II, all fully integrated with the latest Fujitsu U-Scan version 6.0 software.

Since the introduction of the Genesis product line, many updates and improvements have been made to U-Scan, while at the same time delivering better overall value to retailers. Real-world insight from retailers and consumers has driven these changes forward in an even wider range of innovations and improvements to Genesis II: a testament to "Innovation that Matters" in the real retail environment.

What's new in Genesis II

- Beautiful new sleek, contemporary exterior design
- Visually stunning "hi-brite" display and consumer guidance LED "light bars"
- Higher performance and more durable internal components and design
- Latest hybrid imaging scanning technology
- High fidelity stereo audio
- Repositioning of key devices to improve functionality, availability and sustainability
- Structural upgrades to improve durability, reliability and ease of operation
- Lower energy consumption
- Optional coin and note recycling
- Better overall value

A deeper look into the new U-Scan

The new Genesis II product will look familiar to U-Scan retailers and their customers. The sound ergonomic design from its predecessor, the original Genesis product, has been carried forward and improved. The human centric design strategy that was ground-breaking with the original Genesis, continues to be the foundation of this newest additional to the product line. Overall the space-saving footprint of U-Scan is unchanged and all tendering devices are still oriented vertically and at or above the scanner plane for superior ergonomics.

Many retail customers desire to deploy technology that complements their own updated store interior designs. More modern, contemporary product lines and finishes are commonly required in new store fixture and technology design. As a result Genesis II is updated with a new exterior casing that is finished in ocean black and white pearl as a standard color. Many of the harder lines of the former Genesis model have been eased in Genesis II, by rounding edges, contouring the casing fascia and altering the hood geometry. These changes give Genesis II an updated appearance and make the system appear thinner.

In contrast to the Genesis ATM Style "follow-me" Green LEDs, Genesis II introduces a new and more modern Blue Light-Bar design. The new light bars are carefully incorporated into the edge lines of the new Genesis II fascia and are more visually striking, against the Ocean Black background color.

The Genesis II Universal Bag Scales, including the Mini-Carousel have gotten a face-lift that matches them with the new aesthetics of the Genesis II.

Improvements have been made to cabinet's ventilation. The air intake opening have been hidden in the cabinet seals, giving the unit a sleeker look.

The overall dimensions of Genesis and Genesis II remain the same at 23.62 x 25.60 inches (600 X 650 mm), and the UBS and Mini Carousel dimensions also remain the same. This approach was taken deliberately, to allow Genesis II to be retrofitted into the exact same floor space as Genesis making customer migration to the newer products very easy and much less expensive.

The Genesis II has also been outfitted with the new Citizen CT-11 receipt printer, which has been repositioned to better fit the customer's needs. Still concealed within the Genesis II front fascia, the CT-11 is now integrated as a single component into the coin dispenser and slides out to allow access to the paper roll, without the need for a manager key. The new CT-11 is now more easily serviced by field personnel, so high wea field serviceable so high wear component replacement can be quickly and easily accomplished in the store. Other improvements include 28% lower energy consumption and a 36% faster print speed than its predecessor (300m/sec, 80mm paper).

In addition to the new receipt printer, the note and coin acceptors have been upgraded to MEI, a world leader in coin and note accepting technology. The new note acceptors are easier to operate, more reliable, faster, and more energy efficient. Finally the note and coin acceptors have remote update capabilities so new security parameters can be quickly and easily updated.

The Fujitsu F53 bill dispenser design has also been improved, streamlining the bill transport system to reduce note travel distance and possibility of mis-feeds or jams. The new Genesis II improved assembly allows the bill exit fascia to travel with the dispenser so port alignment is never an issue. The bill out position is also new, just below the coin cup, but still adjacent to the plane of the scanner. Customers never have to bend down to retrieve their change or risk leaving money behind.

Major components
Fujitsu U-Scan Genesis II

U-Scan Genesis II includes the following major components:
- Fujitsu TP7000M Modular PC and TP7000 AIO PC
  - Comes standard with an Intel® 7th Gen CPU with 8GB standard memory (max 16GB) and 256GB SSD, USB, PUSB and legacy serial communication I/O options.
  - 15" PCAP Touch Display
  - Multiple powered and unpowered USB and serial ports
  - High performance, low power consumption, HD graphics
  - High-speed Gigabit Ethernet LAN
  - Scanning: High performance imaging technology supporting 1d, 2d, PDF412 Bioptic variants available

- Internal Printing
  - High speed internal 80mm receipt printer
  - Available with all cash options
  - Audio: 2 High fidelity customer facing speakers

- Payment
  - Standard Cash, and Cashless options
  - Updated Coin and Bill acceptance devices
  - EFT Pin Pad and Card Reader for Swipe and Chip

- Lane Light
  - High bright 3-lens signal tower on mounted pole

- Internal Coupons
  - Coupon detector and bin available with all cash options

- Bagging Modules
  - Universal Bag Scale and Mini Carousel
  - Mount on Left or Right side of Customer Station

- Customer-Specific Configurations
  - Internal Components, External Components (printers, EFTs), and Custom colors
  - Customer configurations and accessories subject to confirmation

Technical details

The General Specifications for Fujitsu U-Scan Genesis II include:

- Operating System(s)
  - Microsoft Windows 10 (Linux option available)
- CPU
  - Intel 7th Generation Kabylake Core i5-7500T
- Connectivity
  - Fujitsu TeamPOS 7000; High-speed Gigabit LAN RJ-45 10/100/1000 Mbps w/WOL
- Memory
  - Standard: 8GB; Optional: Expandable to 16GB
- Storage
  - 256GB Solid State Drive
- Display
  - PCAP: Projective Capacitive 15" LCD (1024 x 768)
- Color
  - Standard Color: Ocean Black and White Pearl
- Audio
  - Two High fidelity speakers, audio amp
- Cash Handling
  - Coin acceptance: Single feed, higher capacity coin bucket
  - Coin dispensing: Up to 6 Coin Hopper
  - Coin recycler: 4/ Up to 6 Coin Recycler
  - Bill acceptor: Single note feed, 600/1000 Note Bin Capacity
  - Bill dispenser: Fujitsu F53, 2/3/4 Cassettes, 500 note capacity cassettes
  - Bill recycler: Fujitsu GSR50, bill recycler, 2 rollers per recycling cassette, up to 6 denominations
- Printer
  - Internal:Fujitsu CT11, Single Station, Thermal Printer, 80mm paper
  - External: Single or Dual printer shelf to support external printers
- Scanning
  - Scanner Scale / Scanner only; 1d/2d/PDF412 formats
- Coupons
  - Coupon sensor and collector (optional)
- Assist Shelf
  - Optional side shelf, left or right mount

- Lane Light
  - Incandescent or LED post mounted with three-way on/off/flashing operation (optional)
- Bagging Modules
  - UBS: 1/2/4/6/8 bagging modules, left or right mount, bag racks, 4" and 12" bag risers (optional)
  - Mini Carousel: 4 Bag Carousel with optional Upper bag scale, left or right mount, optional bag racks. Total capacity- 8 bags.
- Skirt Kits
  - Customer station and bagging modules
- Dimensions (WxDxH)
  - 600mm x 650mm x 1320mm (Customer Station)
  - 23.6" (W) x 25.6" (D) x 52" (H)
- Power
  - North America: Powercom 1000VA UPS
  - European: Powervar 400VA UPS
- Operating Environment
  - Temperature: 0 to 40 degree Celsius
  - Humidity: 20 to 85 % (non-condensing)
- Certifications
  - North America Certification: CSA / FCC / NTEP
  - European Certification: CE / CB

Solutions in action

"U-Scan Genesis II has successfully completed pilot with a major US Retail Grocery Store chain and is Generally Available for customers to order beginning December 2014."

Why Fujitsu

Fujitsu provides a wide range of Retail products and services, including Self-Checkout and Point of Sale hardware, software, consulting, staging, installation and maintenance services.

Fujitsu Frontech North America, Inc. (FFNA) provides market-focused IT solutions that enable customers to achieve their business objectives through integrated offerings for self-checkout and currency management solutions, kiosks, mobile, RFID, and biometric authentication technology. FFNA delivers industry-specific solutions for the manufacturing, retail, healthcare, government, education, financial services, and enterprise and communications sectors throughout North America. FFNA is headquartered with operations and product development at 27121 Towne Centre Drive, Foothill Ranch, CA 92610. For more information, please see www.fujitsufrontechna.com.

About Fujitsu Frontech North America, Inc.

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Fujitsu retail solutions

Point-of-Sale Peripherals
Fujitsu offers a full range of peripherals designed for ultimate serviceability and manageability. We've combined user-friendly design with best-of-breed hardware to create the components you need to keep your operations running smoothly.

Point-of-Sale Hardware
Fujitsu point-of-service solutions come in a variety of form factors including compact all-in-one and traditional POS controllers. All are highly configurable to ensure the ideal feature/functionality/price fit for each retailer's unique requirements. TeamPoS® systems meet the demanding needs of today's store operations, from standalone point-of-sale to mission-critical applications.

Self-Checkout Systems
The Fujitsu U-Scan Genesis line offers retailers flexibility, scalability, reliability and usability. Advanced features include high capacity, space saving footprint, ATM-style "follow me" LED lighting, and "above scanner" bill and coin accepting/dispensing.

OEM/ODM Products
A global leader in electronics manufacturing services, Fujitsu provides integrated services and solutions to support original equipment manufacturers and original design manufacturers operating in the automotive, communications, computing, consumer, industrial, medical, retail and financial sectors.

Fujitsu Retail Suite
Fujitsu Retail Suite provides retailers with a broad portfolio of solutions to better enable them to implement customer loyalty programs, increase customer service, and implement cost effective stored value card management solutions.

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Fujitsu green policy innovation
Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at: www.fujitsu.com/global/about/environment/

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