⊞ CUBIC

Universal Vendor 1000

Universal Vendor at-a-glance:

- Modular ticket vending machine
  - Flexibility of fare structures from simple to complex — time, zone, value, multi-trip, and/or Autoload
  - Communications to central system via Ethernet

- Wide acceptance of payment
  - U.S., Euro and other foreign notes and coins
  - Dip credit/debit card reader for magnetic cards
  - Encrypted PIN pad
  - Issue credit/debit transaction receipts

- Flexibility of media issuance and reload
  - Issue paper proof-of-payment tickets
  - Issue and add value to paper, plastic, or Triplex magnetics
  - Issue and recharge permanent and limited use ISO 14443 Type A and Type B full featured and limited use contactless smart cards using Cubic's Tri-Reader® multi-protocol card interface device
  - Issue tickets from roll stock or die cut ticket stock
  - Thermally print on tickets
  - Recycle various types of cards

- User-friendly interfaces
  - Simple graphical display, video help screens
  - Multi-language support
  - ADA compliance with variable height pedestal, Braille, voice annunciation
  - Programmable overhead LED display and screen savers for status, messages, ads

- High availability, reliability and maintainability
  - State-of-the-art maintenance screens
  - Self-diagnostics
  - Internal and remote system monitoring

- Superior security
  - Stainless steel vandal-resistant cabinet with environmental controls
  - Security alarms

The Universal Vendor offers unmatched flexibility to meet a variety of payment, ticketing and user interface requirements. The modular design is configurable for subway, commuter rail, light rail and parking environments.

How it works

The Universal Vendor accepts U.S., Euro and other foreign notes and coins, as well as credit and debit cards. It has the ability to issue paper proof-of-payment tickets, issue and add value to paper, plastic or Triplex magnetic tickets, issue and recharge both thin and thick ISO 14443 Type A and Type B full featured and limited use contactless smart cards and recycle a variety of cards.

The user-friendly video help screens and customizable graphical user interface with multi-language support provide a quick and easy means for transit patrons to purchase fares. The variable height pedestal, Braille and large raised lettering, voice annunciation and audio jack features facilitate fare purchases for all patrons and comply with ADA requirements.

The Universal Vendor delivers high availability, reliability and maintainability with its state-of-the-art maintenance screens, self-diagnostics and remote system monitoring. This automated self-service full function ticketing machine reduces queues at booking offices and improves customer satisfaction and operational efficiencies.

Specifications:

Physical

Dimensions (w/standard 7" base): Height 1.9m (76in), Width 914mm (36in), Depth 673mm (26.5in)
Dimensions (w/3" base for ADA compliance): Height 1.8m (72in), Width 914mm (36 in)
Weight: 450kg (1000lbs)
Material: 1.9mm (.075in) thick stainless steel
Voltage: 100 to 240 VAC, 50/60 Hz
Power Dissipation: 1750W typical (depending on heater configuration)

Capacity

Processor: Celeron 600 MHz CPU
Operating System: Windows® XP Embedded
Memory: 128 MB SDRAM (standard)
Cash: 1000 or 2000 note vault, 13 note escrow, 4 recirculating coin tubes up to 3 bulk coin hoppers and coin vault
Media: variable configurations of paper, magnetics, and smart cards

External Interfaces

10/100 BaseT Ethernet with RJ-45 jack
SCADA

Environmental

Storage Temperature: -10°C to +60°C
Operating Temperature: -10°C to +50°C (+14°F to +122°F) with standard 800W heater
Relative Humidity: 5% to 95% (non-condensing)
Vibration: Mil-Std-810D, Method 514.3, Category 8, 0.25g (RMS) all axes, 5 to 25 Hz, 0.5 octave/min
Shock: Mil-Std-810D, Procedure I, half-sine pulse, 5g peak (X and Y axes), 1g peak (Z axis), 10msec
Ingress Protection: IP34
Immunity: EN61000-6-2
Emissions: EN61000-6-4
Flammability: N/A

User Interfaces

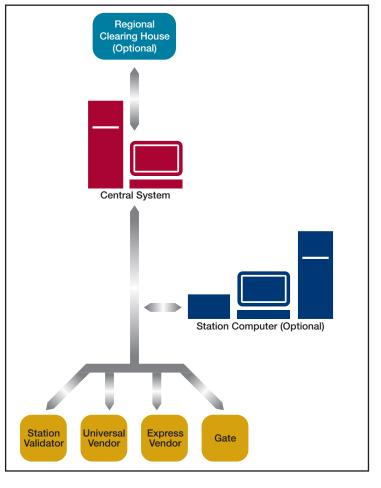Operator Interface: patron display, maintenance keyboard, locks and keys to access modules
Patron Interfaces: sunlight readable 15in color display with graphics capability, 800 x 600 pixels, 10 programmable soft keys plus audio and cancel buttons with adjacent Braille lettering, PIN pad, touch screen option, audio instructions via a speaker and headphone jack
Media Issuance: 3 or 4 coin types from recirculating tubes or mini-hoppers, tokens, direct thermal paper for tickets, transfers, and receipts, magnetic tickets, ISO 14443 Type A and Type B full featured and limited use contactless smart cards
Media Acceptance: U.S., Euro and other foreign notes and coins, tokens, credit and debit cards, magnetic tickets, ISO 14443 Type A, Type B and Cubic GO CARD® contactless smart cards

Tri-Reader® is a registered trademark of Cubic Transportation Systems, Inc.
Windows® is a registered trademark of Microsoft Corporation.

Regional Clearing House (Optional)

Central System

Station Computer (Optional)

Station Validator | Universal Vendor | Express Vendor | Gate

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In the interests of product improvement Cubic reserves the right to change the above specification without notice.

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