

# AKDOM

Point-of-reload / top-up device



- The Compact Point-of-Sale is a commercial-off-the-shelf payment terminal to enable convenient contactless smart card and AKBİL (i-Button) reload/top-ups at retail locations.
- The low cost device is the ideal solution for setting up a smart card and AKBİL reload/top-up network of convenience stores, news stands, sweets shops, grocery, markets, government and corporate offices and other point-of-sale locations.
- From these convenient locations, passengers can add value to their contactless smart cards by presenting the card to contactless reader target and to their AKBİls by touching to i-Button reader target . The merchant uses the keypad to enter the desired value to be added to the card or AKBİls. The card is re-presented to the target and the contactless reader encodes the new value or product to the card. The AKBİL is re-touched to the target and i-Button reader encodes the new value to AKBİL. A receipt for the transaction may be printed from the payment terminal.
- All transactions are stored by the Compact Point-of-Sale and transmitted

- to the central computer system via dial-up modem, GPRS or Ethernet as desired, at scheduled time intervals. The Compact Point-of-Sale provides passengers a convenient way to reload their smart cards and AKBİls at retail locations throughout the region. Reloads made out of station reduce queues at ticket vending machines and ticket offices, resulting in lower maintenance costs and improvements to operational efficiency and customer satisfaction.
- PCI PED and EMV Level 1 and 2 Type Approvals.
- Can accept also credit cards as payment option.

### FEATURES & BENEFITS

- Integrated point-of-sale device
- Add value to contactless smart cards
- Add value to AKBİL (i-Button)
- Ultra-compact, ergonomic design
- Commercial-off-the-shelf payment terminal
- Fast thermal printer
- ATM-style keypad interface
- Large back-lit display
- Communications via dial-up modem, GPRS, Ethernet
- EMV-compliant for contact smart card

[www.belbim.com.tr](http://www.belbim.com.tr)

## AKDOM



processing

- BELBİM contactless reader for processing of ISO 14443 Type A Level 1-4 contactless smart cards
- Freedom of card choice(mifare classic, desfire...)
- Ease of use, customer convenience
- Superior security with SAM support
- BELBİM i-Button reader for processing of i-Button devices
- Ease of use, customer convenience
- Low cost solution for smart card and AKBİL reload/top-up network
- Convenient load options
- Reduced queues at ticketing vending machines and ticket offices
- Reduced equipment maintenance costs
- Multi-application support

### SPECIFICATIONS

Physical Dimensions:

- Verifone 8320 : H 82 mm (3.23 in) x W 108 mm (4.25 in) x D 230 mm (9.06 in)
- Verifone 8400: H 80.7 mm (3.2 in) x W 110 mm (4.3 in) x D 232.5 mm (9.2 in)
- Weight: 765gr/1.66 lbs including paper roll
- Material: high impact plastic
- Power: 90 to 264 VAC switching power adapter, DC output 9VDC / 4A.
- Optional 2200 mAh
- Lithium-ion battery Capacity

### Capacity

Processor:

- Verifone 8320 : 32-bit ARM 7 Processor
  - Verifone 8400: Fast 80 MHz, high-power 32-bit RISC microprocessor
  - Operating System: Nurit Operating System
- Memory:
- Verifone 8320: 2 to 4MB Flash memory for

software, 2 MB SRAM

- Verifone 8400: 6MB (4MB Flash, 2MB SRAM); optional 3MB (2MB Flash, 1MB SRAM) or 12MB (8MB Flash, 4MB SRAM);
- optional SD/MMC card

External Interfaces

- RS-232 (2)
- Communications Options:14.4 kbps modem (V.21/V.22bis/ V.23/V.23bis), up to 56 kbps (V.34/V.92); HDLC, TCP/IP; 10BaseT Ethernet; GPRS
- Smart Card Reader:ISO 7816; 5V, 3V and 1.8V cards; T=0, T=1, asynchronous, synchronous; EMV 2000 Level 1 approved
- Magnetic Card Reader:Triple-track, vertical swipe, bi-directional; ISO 7811; high and low coercivity
- SAM Sockets: 2 or 4 SAM sockets
- ISO 14443 Type A Level 1-4 Contactless card reader i-button reader

### Environmental

- Operating temperature: 0° to 50° C (32° to 122° F);
- Storage: -20° to 60° C (-4° to 140° F);
- Humidity: 5% to 95% non-condensing

### User Interfaces

- 128 x 64 pixel backlit graphical LCD display; multi-language font support, backlight
- Media Acceptance: ISO 14443 Type A Level 1-4 contactless smart cards and i-Button devices.