FEATURES

- Engineered to overcome cold storage (-30°C/-22°F) challenges: frozen keyboard, window fogging, display failures and internal corrosion

- Water-resistant, backlit keyboard enhances visibility in dark environments

- 32-bit RISC multi-tasking architecture for simultaneous connection and communication with up to six host platforms

- Cellular switching ensures continuous data exchange as mobile workers move seamlessly between coverage cells

- Vacuum fluorescent display (8055) for low-light warehouses; LCD (8060) for applications requiring more data display

- Shock-mounted internal components sealed against condensation, rain and dust penetration and impact tested

Built to beat the cold

TACKLES THE CHALLENGES OF CONDENSING ENVIRONMENTS

As temperature-controlled facilities face increasing demands for more frequent just-in-time deliveries from multi-temperature zones within your operation, you need a wireless solution that can meet the unique challenges of the cold chain. Engineered to overcome typical cold storage performance issues like frozen keyboards, window fogging, display failures and internal corrosion, the 8000 Series Freezer Terminal is the first heated vehicle-mount terminal proven to excel in condensing environments down to -30°C/-22°F.

PSION TEKLOGIX

information in motion

8055 VFD Display

8060 LCD Display

Specifications

PROCESSOR & MEMORY

- Microprocessor: 32-bit HCMOS, plus 32-bit RISC
- Flash: 1 MB Flash ROM
- RAM: 512 kByte

WIRELESS COMMUNICATION OPTIONS

- **403 - 512 MHz Synthesised Narrowband**

  Transmission power: 2 Watts North America; 0.01 to 2 Watts International
  Data rates: 4.8, 9.6 or 19.2 Kbps
  Channels: 1 to 16

- **902 - 928 MHz Spread Spectrum Transceiver (Direct Sequence)**

  Transmission power: 0.1 to 1.0 Watts
  Data rates: 9.6, 19.2, or 122 Kbps
  Channels: 1 to 7

PERIPHERALS

- Two industrialised I/O ports are standard on all units. The 28-pin connector accepts decoded and non-decoded tethered scanners and serial devices. The 36-pin connector supports printers and other serial devices
- Internal beeper, volume and tone control

BAR-CODE SUPPORT

- Built-in decoding software provides auto discrimination of: Code 39, EAN-13/8, UPC-A/E, Codabar, 93, Code 11, Interleaved 2 of 5, Plessy and Discrete 2 of 5

KEYBOARD

- 55 silicon rubber, backlit, low impact keys: ABC, QWERTY, or AZERTY format
- 50 re-mappable keys
- 36 addressable function keys (10 single push)
- 12 programmable Macro keys

DISPLAY

- **8055 VFD**

  Type: Vacuum Fluorescent
  Backlight: Not Required Active Area: 52mm × 166mm/2.0" × 6.5''
  Screen Formats Supported: 5×32, 10×32, 10×42, 10×51
  Resolution: 256W × 80H (pixels)
  Attributes: Normal, inverse video, blink, underline

- **8060 LCD**

  Type: Supertwist FSTN Liquid Crystal Display
  Backlight: Cold cathode fluorescent tube with programmable auto shutoff
  Active Area: 148mm × 196mm/5.8" × 7.7''
  Screen Formats Supported: 19×40, 26×80, 30×80, 60×128
  Resolution: 640W × 480H (pixels)
  Attributes: Normal, inverse video, blink, underline

SIZE & WEIGHT

- **8055 VFD**

  Enclosure: 16 gauge steel, nickel plated with baked enamel finish
  Width: 287mm/11.3'' Height: 229mm/9.0''
  Depth: 102mm/4.0'' Weight: 3.7kg/8.2 lbs

- **8060 LCD**

  Enclosure: 16 gauge steel, nickel plated with baked enamel finish
  Width: 287mm/11.3'' Height: 229mm/9.0''
  Depth: 64mm/2.5'' Weight: 3.4kg/7.5 lbs

- **8060 Keyboard**

  Enclosure: 16 gauge steel, nickel plated with baked enamel finish
  Width: 287mm/11.3'' Height: 117mm/4.62''
  Depth: 30mm/1.2'' Weight: 1.1kg/2.4 lbs

ENVIRONMENTAL

- **8055 VFD**

  Storage Temp: -40°C to 70°C/-40°F to 158°F
  Operating Temp: -30°C to 60°C/-22°F to 140°F
  Humidity: 5 to 96%, freezer condensing
  Shock: 25g with an 11 ms risetime on all axes
  Vibration: 3G from 5Hz to 300Hz
  Rain/Dust: Rated to IP66 as per IEC 529, IP NEMA 4 and 4X

- **8060 LCD**

  Storage Temp: -30°C to 60°C/-22°F to 140°F
  Operating Temp: -30°C to 50°C/-22°F to 122°F
  Humidity: 5 to 96%, freezer condensing
  Shock: 25g with an 11 ms risetime on all axes
  Vibration: 3G from 5Hz to 300Hz
  Rain/Dust: Rated to IP66 as per IEC 529, IP NEMA 4 and 4X

POWER REQUIREMENTS

- Voltage: 24 to 48 VDC (nominal). An optional external pre-regulator extends the upper limit to 72 VDC (nominal)

APPROVALS

- FCC Part 15 Class B
- CE mark for Europe: conformity to Council Directives
- 89/336/EEC, 72/73/EEC and 1999/5/EEC
- EMC: Complies with standards EN55022 class B and EN 50082-1

ACCESSORIES

- Mounting Hardware
- Freezer Rated Scanners
- Freezer Rated Barcode Printers
- Auxiliary Power Assembly

*Specifications are subject to change without notification.

A WORD ABOUT PSION TEKLOGIX

Psion Teklogix provides mobile computing solutions for the enterprise. The company's systems, installed in more than 10,000 sites worldwide, provide mobile workers with anytime, anywhere access to enterprise IT systems. The largest operating division of Psion PLC, Psion Teklogix plays a key role in its parent company's vision to create new ways to access mobile data and the mobile internet. Psion Teklogix has 43 sales and support offices and 95 independent distributors throughout the worl

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