8055/8060 Vehicle-Mount Terminal

FEATURES

- 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
- Water-resistant, backlit keyboard enhances visibility in dark environments
- Heavy-duty 16-gauge steel ideal for high-vibration installations. Shock-mounted internal components sealed against rain and dust penetration and impact tested
- Wide range of options for customised applications: voice communications package; keyboard options; peripheral connection options
- Low-temperature (-20°C/-4°F) and freezer (-30°C/-22°F) versions available

Instant information for rapid response

SPEED, POWER AND FLEXIBILITY

In business, situations can change by the second. Whether your business is manufacturing, warehousing, logistics, distribution or intermodal operations, enabling your mobile workers to update databases and receive instructions in real-time is critical to competitive supply chain management. The 8000 Series Vehicle-Mount Terminals meet this challenge: designed for the harsh physical realities of these applications, they allow mobile workers to respond rapidly to customer needs. Compatible with 902 spread spectrum and UHF narrowband solutions, they package sub-second response and unrestricted movement capabilities into a rugged vehicle-mount unit. The 8055 and the 8060 are also available as low-temperature and freezer terminals.

PSION TEKLOGIX

information in motion

8055/8060 Vehicle-Mount Terminal

8060 LCD Display

8055 VFD Display

8055 LCD Display

Specifications

PROCESSOR & MEMORY

- Microprocessor: 32-bit HCMOS, plus 32-bit RISC
- Flash: 1MB 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 x 166mm/2.0" x 6.5"
  Screen Formats Supported: 5x32, 10x32, 10x42, 10x51
  Resolution: 256W x 80H (pixels)
  Attributes: Normal, inverse video, blink, underline
- **8055 LCD**
  Type: Supertwist FSTN Liquid Crystal Display
  Backlight: Cold cathode fluorescent tube with programmable auto shutoff
  Active Area: 68mm x 175mm/2.7" x 6.9"
  Screen Formats Supported: 11x80, 16x40, 25x80, 25x128
  Resolution: 640W x 200H (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 x 196mm/5.8" x 7.7"
  Screen Formats Supported: 19x40, 26x80, 30x80, 60x128
  Resolution: 640W x 480H (pixels)
  Attributes: Normal, inverse video, blink, underline

SIZE & WEIGHT

- **8055 VFD & LCD**
  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 Std. Temp.**
  Storage Temp: -40°C to 70°C/-40°F to 158°F
  Operating Temp: -10°C to 60°C/14°F to 140°F
  Humidity: 5 - 95% relative humidity, non-condensing
- **8055 VFD Low Temp.**
  Storage Temp: -40°C to 70°C/-40°F to 158°F
  Operating Temp: -20°C to 60°C/-4°F to 140°F
  Humidity: 5 - 95% relative humidity, non-condensing
  Note: Low Temp model 12VDC input only
- **8055 VFD Freezer/Extreme Temp.**
  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 - 96%, freezer condensing
- **8055 VFD Std., Low & Freezer/Extreme Temp.**
  Shock: 25g with an 11 ms risetime on all axes
  Vibration: 3 G from 5Hz to 300Hz
  Rain/Dust: Rated to IP66 as per IEC 529, IP NEMA 4 and 4X
- **8055 LCD Std. Temp.**
  Storage Temp: -20°C to 60°C/-4°F to 140°F
  Operating Temp: 0°C to 50°C/32°F to 122°F
  Humidity: 5 to 95%, non-condensing
  Shock: 25g with an 11 ms risetime on all axes
  Vibration: 3 G from 5Hz to 300Hz
  Rain/Dust: Rated to IP66 as per IEC 529, IP NEMA 4 and 4X
- **8060 Std. Temp.**
  Storage Temp: -20°C to 60°C/-4°F to 140°F
  Operating Temp: 0°C to 50°C/32°F to 122°F
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- **8060 Low Temp.**
  Storage Temp: -20°C to 60°C/-4°F to 140°F
  Operating Temp: -20°C to 50°C/-4°F to 122°F
  Humidity: 5 - 95%, non-condensing
  Note: Low Temp model 12VDC input only
- **8060 Freezer/Extreme Temp.**
  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 - 96%, freezer condensing
- **8060 Std, Low & Freezer/Extreme Temp**
  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

- **Std. Temp. Models**
  Voltage: 12 to 48 VDC (nominal). An optional external pre-regulator extends the upper limit to 72 VDC (nominal)
- **Low Temp. Models**
  Voltage: 12 VDC (nominal)
- **Freezer/Extreme Temp. Models**
  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
- Scanners
- Printers
- Auxiliary Power Assembly

*Specifications are subject to change without notification.

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