

8255/8260 Vehicle-Mount Computer



FEATURES

- Dual Type II PCMCIA slots: one for ATA expansion card for mass data storage, the other for choice of radio support
- Extensive radio support: 802.11b Lucent 2.4 GHz frequency hopping spread spectrum; 902 MHz spread spectrum and narrowband; Mobitex wide area
- Terminal Development Kit provides programming tools for developing real-time or batch applications
- Unparalleled support for advanced emulations including IBM 3270, 5250, HP 2392 and ANSIVT220
- Application-optimization to suit your ERP, WMS or supply chain software system
- Choice of three display options to suit your needs: Vacuum Fluorescent, Liquid Crystal or Electroluminescent
- Smallest vehicle-mount footprint in the industry
- Low-temperature (-20°C/-4°F) and freezer condensing (-30°C/-22°F) versions available

Meeting the new supply chain demands

UNRIVALLED FLEXIBILITY AND RUGGEDNESS

Success in today's fast-paced economy demands real-time information from across your supply chain. The 8255 and 8260 Vehicle-Mount Wireless Computers meet the challenge, allowing mobile workers to instantly collect and transmit inventory information, yielding better operations planning and improved customer turnaround times. The 8200 Series offers unprecedented flexibility: DOS-based, user-programmable, and able to support a wide range of wireless radios, these computers will adapt to meet the changing needs of your business. Built to withstand the harshest physical environments without compromising accuracy or high-speed performance, the 8200 Series offers unrivalled speed and flexibility in a tough package.



information in motion



8255/8260 Vehicle-Mount Computer

Specifications



8255 VFD Display



8255 LCD Display



8255 VFD with Low Profile Keyboard



8260 LCD Display



8260 EL Display



8260 LCD with Low Profile Keyboard

PROCESSOR & MEMORY

- Microprocessor: 32-bit 486 DX, 66 MHz with 8 cache
- Flash: 4 MB Flash ROM, expandable to 8 MB
- RAM: 8 MB, expandable to 16 MB
- Operating System: IBM DOS 7.0

WIRELESS COMMUNICATION OPTIONS

- **Lucent 802.11b 2.4 GHz Spread Spectrum, Direct Sequence**
Data rates: 1, 2, 5.5, 11 Mbps
Transmission Power: 32 mW
- **Narrowband**
Transmission power: 2 Watts, North America; 0.01 to 2 Watts, International
Data rate: 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
- **Mobitex Wireless Data Network**
Europe: 400 MHz
North America, South America, Asia: 900 MHz
All are 2W max.

PERIPHERALS

- Two industrialised I/O ports are standard on all units
- Support decoded and non-decoded tethered scanners, printers, and serial devices
- Internal beeper; volume and tone control

KEYBOARD

- 55 silicon rubber; backlit, low impact keys: ABC, QWERTY, or AZERTY format
- Low profile keyboard available with washdown capability - 55 silicon rubber; low impact keys: ABC, QWERTY, or AZERTY format
- 50 re-mappable keys
- 10 function keys (36 addressable)
- 12 macro keys

DISPLAY

- **8255 VFD - Vacuum fluorescent**
Backlight: Not required
Active Area: 52mm x 166mm/2.0" x 6.5"
Font Sizes: 2x16, 3x16, 5x32, 5x42, 10x32, 10x42, 10x51 (lines x characters)
Resolution: 256 w x 80 h
Attributes: Normal, inverse video, blink, underline
- **8255 LCD - Supertwist FSTN LCD**
Backlight: Cold cathode fluorescent tube with programmable auto shutoff
Active Area: 68mm x 175mm/2.7" x 6.9"
Font Sizes: 6x40, 8x40, 10x40, 12x80, 14x80, 25x80 (lines x characters)
Resolution: 640 w x 200 h
Attributes: Normal, inverse video, blink, underline
- **8260 LCD - Supertwist FSTN LCD**
Backlight: Cold cathode fluorescent tube with programmable auto shutoff
Active Area: 148mm x 196mm/5.8" x 7.7"

Font Sizes: 16x40, 19x40, 24x40, 25x80 (lines x characters)
Resolution: 640 w x 480 h
Attributes: Normal, inverse video, blink, underline

8260 EL - Electroluminescent

Active Area: 158mm x 211mm/6.2" x 8.3"
Font Sizes: 16x40, 19x40, 24x40, 25x80 (lines by characters)
Resolution: 640 w x 480 h
Attributes: Normal, inverse video, blink, underline

ANTENNA

- Magnetic-mount or whip antenna

SIZE & WEIGHT

- 8255 - Enclosure: 16 gauge steel with baked enamel finish; Width: 287mm/11.3"; Height: 229mm/9.0"; Depth: 102mm/4.0"; Weight: 3.8kg/8.4 lbs
- 8260 - Enclosure: 16 gauge steel with baked enamel finish; Width: 287mm/11.3"; Height: 229mm/9.0"; Depth: 64mm/2.5"; Weight: 3.4kg/7.5 lbs
- 8260 Keyboard - Enclosure: 16 gauge steel with baked enamel finish; Width: 287mm/11.3"; Height: 117mm/4.62"; Depth: 30mm/1.2"; Weight: 1.1kg/2.4 lbs

ENVIRONMENTAL & POWER SPECIFICATIONS

- **8255 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
Voltage: 12 to 48 VDC (nominal). An optional external pre-regulator extends the upper limit to 72 VDC (nominal)
- **8255 VFD Low 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 - 95% relative humidity, non-condensing
Voltage: 12 VDC (nominal)
- **8255 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
Voltage: 24 to 48 VDC (nominal)
- **8255 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 - 95%, non-condensing
Voltage: 12 to 48 VDC (nominal). An optional external pre-regulator extends the upper limit to 72 VDC (nominal)
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Operating Temp: -30°C to 50°C/-22°F to 122°F
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Voltage: 24 to 48 VDC (nominal)
- **8260 EL 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%, non-condensing
Voltage: 12 to 48 VDC (nominal). An optional external pre-regulator extends the upper limit to 72 VDC (nominal)
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- **All 8255 & 8260 displays and temperature versions are rated to:**
Shock: 30g peak sawtooth shock pulse, 11 ms duration on each axis
Random Vibration: 1.5g RMS, 4Hz to 500Hz, 60 min. duration on each axis
Rain/Dust: Rated to IP66 as per IEC 529, NEMA 4 and 4

*Specifications are subject to change without notification.

