

# 7030 Hand-Held Terminal – Freezer



## FEATURES

- 32-bit RISC multi-tasking architecture allows simultaneous connection and communication with up to six host platforms
- Cellular switching ensures continuous data exchange, allowing workers to move seamlessly between coverage cells
- Subjected to harshest third-party testing ever performed on wireless devices, including soak tests, cyclical temperature changes and shock and vibration challenges
- Proven to overcome typical cold storage performance issues: frozen keyboard; window fogging; display failures; internal corrosion
- 2600 mAh high-capacity battery meets increased power consumption demands of freezer applications. Optional outboard battery assembly and power cradle for extended in-freezer use
- Keyboard available with 40 larger keys, making it easy to use while wearing gloves

## Freezer unit wins war over condensation

DESIGNED TO HANDLE THE DEEP FREEZE

With mobile workers in your cold storage facility moving between hot humid shipping docks, refrigerated facilities and sub-zero and blast freezers, you need a wireless solution designed to take the extremes. The 7030 Hand-Held Freezer Terminal is a key part of that solution: packed into a rugged, portable unit, the powerful 7030 is the first heated hand-held terminal engineered to perform in condensing environments fluctuating from a humid 50°C/122°F down to an icy -30°C/-22°F. Custom designed for cold chain applications, the 7030 has been subjected to rigorous, third-party testing to ensure it can live up to the demands of your site.



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## Specifications



7030 40-Key



7030 Standard Key  
(glow-in-the-dark option)



7030 Z-Key



7030 Power Cradle



7030 Pistol Grip

### PROCESSOR & MEMORY

- Microprocessor: 32 bit HCMOS, plus 32 bit RISC
- Flash: 2 MB Flash ROM
- RAM: 512 Kbyte RAM

### 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

### 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

### KEYBOARD

- 3 formats available: 40 Key, 57 Key, 57 Key Stand alone "Z"
- All keyboards available in "glow-in-the-dark" format
- All keys are re-mappable with the exception of the ON/OFF key
- 57 key: 31 accessible function keys (10 single push), and 12 accessible, programmable macro keys
- 40 key: 31 accessible function keys (12 single push), and 12 accessible, programmable macro keys (4 single push)

### DISPLAY

- 320 x 240 pixel ¼ VGA, landscape supertwist LCD with automatic back-lighting, integrated heater and adjustable contrast
- Screen formats supported: 8x20, 10x20, 10x26, 12x29, 12x40, 17x20, 17x26, 17x32, 17x40, 25x40

### SIZE & WEIGHT

- Length: 265mm/10.4"
- Width (grip): 74mm/2.9"
- Depth: 38mm/1.5"
- Weight

Terminal with 2600 mAh batt and 902 MHz radio: 1.043kg/2.3 lbs;  
Long Range scan engine add 48g/1.7 oz; Narrowband add 3.5g/0.1 oz

### ENVIRONMENTAL

- **Freezer/Extreme temp. model**

Operating: -30°C to 50°C/-22°F to 122°F  
Storage (without battery): -40°C to 60°C/-40°F to 140°F

Humidity: 5 - 96% relative humidity, freezer condensing  
Drop Rating: 25 drops from 1.5m/5' and 10 additional drops from 1.8m/6' onto polished concrete, meets MIL std 810D method 516.4 proc. 4  
Shock: 30 G on all axis  
Vibration: 1.5 G RMS PSD (Power Spectrum Density) on frequency range of 4 to 500 Hz  
Rain/Dust: Rated to IP64 as per IEC 529, NEMA 3S and 13

### POWER MANAGEMENT

- Fast swap, rechargeable 2700 mAh NiMH battery pack, 2.5 hour charge time
- High reliability backup (approx. 10 minutes during battery swap)
- Optional powered cradle and external power supply

### OPTIONAL INTEGRATED SCANNERS

- High Performance Standard Range
- Long Range
- Advanced Long Range
- Built-in software provides auto discrimination of: Code 39, Code 128, EAN 128, EPC-A/E, Codabar, Code 03, Code 11, Interleaved 2 of 5, Plessey and Discrete 2 of 5
- Field installable pistol grip

### APPROVALS

- EMC: FCC Part 15 Class B, EMC Directive Class B
- CE Approved

### ACCESSORIES

- 1, 3 and 6 Unit Charger/Conditioners
- In-unit battery charger with spare battery slot
- Hand Strap
- Wrist Strap
- Shoulder Strap
- Holster
- Powered and Non-powered Vehicle-Mount Cradle

\*Specifications are subject to change without notification.