



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.

7030 Hand-Held Terminal – Freezer



Specifications

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
- **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

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 I3

POWER MANAGEMENT

- Fast swap, rechargeable 2600 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.

7030 40-Key



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



7030 Z-Key



7030 Power Cradle



7030 Pistol Grip

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 world.

