

# Tacter-31M

Ruggedized Handheld Computer - RHC



## *Powerful with versatility.*

The Tacter-31M RHC (Rugged Handheld Computer) is a multi-purpose rugged mobile computer designed to serve all combat soldiers. On the modern battlefield, the Tacter-31M's embedded communications utilize today's protocols, making the terminal critical for any C4I system. The Tacter-31M supports simultaneous connectivity to two independent tactical radio networks, LANs, and other networks. It also features an optional GPS-receiver, offering the soldier essential navigation and mapping capabilities.

This customer-driven design provides unique versatility as a vehicle-mounted solution or for dismounted use. Reliable, rugged computer systems are an important part of the United States Military. This is why the Tacter-31 Rugged Computer has become the system of choice for the US Army, Marine Corps, Air Force, and Navy.

## Highlighted Features:

- Intel Pentium M 1.8GHz CPU
- 1GB DDR SDRAM Growth to 1.5GB
- 30GB to 80GB Removable HDD
- Internal dual-channel TACLINK 3000 tactical modem
- Internal GPS or Commercial GPS receiver
- Internal L-Band SATCOM (with 10.4" Display Configuration)
- Available with Windows 2000, Windows XP or Linux
- PC card (PCMCIA) expansion slots, Secure Digital (SD)
- 3 USB 2.0 Host/Slave, Ethernet
- Internal and external stereo sound system
- 6.4" (VGA) or 10.4" (SVGA) color display
- Touch screen operation
- Folding keyboard

**Elbit Systems**  
of America

# Tacter-31M

Ruggedized Handheld Computer - RHC

## Features

- Processor:** Intel Pentium M (Dothan) 1.8GHz CPU Processor, 400MHz System Bus
- SDRAM:** 1GB DDR SDRAM Growth to 1.5GB
- Hard Disk:** 30GB to 80GB Removable HDD, Secure Digital (SD) Port
- Operating System:**  
Windows XP, Windows 2000 or Linux
- Audio:** Stereo Speakers and Audio I/O
- Display:** 6.4" or 10.4" Sunlight Readable VGA LCD TFT Active Matrix Color Display Touch Screen, Keyboard Contrast/Brightness Controls, Stealth Mode, NVG Compatible
- User Input Interfaces:**  
Programmable Function Keys, Quick Zeroize, Passive Touch Screen, Folding QWERTY Keyboard, Miniature Joystick, Mouse, External Keyboard and/or Mouse Plugs Into USB Port

## Interfaces (Standard)

- Ch1 & Ch2 - MIL-STD 188-220, Tactical Modem Ready
- Fastio Port Contains - Sealed Door with Commercial LAN and 3 USB 2.0 Host/Slave
- MMIO Port Contains - Rugged Connector with LAN, USB, Audio, COM2
- External Video Port - High Resolution VGA Output -1600x1200 Max Standard External XVGA Connector
- Serial Port - Standard DB9 Serial Port
- PC Card Slots - 2 Type II or 1 Type III (3.3v or 5v)
- SD - Supported
- Power - Enhanced Power Management, Optional Rechargeable Smart Battery with LED Power Level Indicator, Optional 15-cell, Removable Backup Battery
- GPS - Military GPS or Commercial GPS (optional)

## Physical Description

- 6.4" Display**  
Approximate Dimensions (in.): 3"W x 9"H x 7"D  
Approximate Weight: <7 lbs. (without battery)
- 10.4" Display**  
Approximate Dimensions (in.): 4"W x 10"H x 8"D  
Approximate Weight: <10 lbs. (without battery)

## Environmental & EMI Specifications

- Operating temperature:**  
-22°F / -30°C to +131°F / +55°C
- Storage temperature:**  
-40°F/-40°C to +158°F/+70°C
- Altitude (operational):** 15,000 feet
- Leakage:** 1 m of water

MIL-STD-810F  
EMI: As per MIL-STD-461E

## Accessories

- Commercial and/or Military AC Power Supplies
- Military DC/DC Power Converters
- Rechargeable Lithium-Ion Batteries
- Battery Charger
- Power Cables
- Radio Cables
- Field Carrying Case
- GPS Antenna and Cables
- RS-232 COM Cables
- SATCOM Modem
- LAN and USB Adapters
- Vehicle Mounts



10.4" Display Configuration



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