



# *JETT•XL*

hand held computer

## Specifications

- Rugged 2T design, IP65 ingress protection
- Microsoft® Windows® CE 5.0
- Intel® PXA270 XScale® (Belverde) Technology Processor - 624MHz
- 320x240 QVGA-TFT color sunlight readable display with touch screen
- Typical 8 hour battery operating time
- CF Type 2 user accessible expansion slot
- Two Year Warranty (extended warranties available)
- Standard Stylus
- PACK Ready



## Memory

- 128MB SDRAM
  - Est. 30MB used for OS
- System Flash
  - partitioned for OS storage and application/ data storage (512MB - 8GB +)

## Connectivity

### Wireless

- Bluetooth® /WLAN 802.11b/g (standard option)
- Integrated Wireless Management System
  - Adaptive Frequency Hopping Technology (AFH)
  - Packet Traffic Arbitration (PTA)
- Quality of Signal and Security
  - 40 and 128 Bit WEP
  - WPA, CCX (Cisco Security), TKIP and AES
  - Support for 802.11i extension
- Dedicated Processor
  - ARM7 MAC protocol processor

### Wired

- USB Client (mini USB A/B Connector)
- Up to 3 serial ports (RS-232, RS-422, RS-485, USB)

Minimum quantities may apply. Prices and availability subject to change without notice.

### Quality is my #1 priority.

The JETT•XL® is simply the fastest most powerful, ruggedized mobile hand held computer available today.

### I've got a need for speed.

The JETT•XL has the PXA270 processor, designed specifically by Intel for low-power battery-powered devices, it utilizes an integrated system-on-a-chip microprocessor to deliver high performance (624 MHz). It features XScale ARM7® micro architecture with on-the-fly voltage and frequency scaling, sophisticated power management to provide industry-leading MIPS/mW performance. In other words, its fast, powerful, yet affordable.

### Will it survive my environment?

The JETT•XL has an IP rating of 65, which means its completely dust-tight and can withstand exposure to jets of water. The JETT•XL case is made of General Electric Xenoy, one of the most durable, chemical resistant materials available today.

### I know it's a wireless world.

JETT•XL comes standard with both 802.11b/g and Bluetooth® technology that allows for concurrent operation with maximum efficiency. Of course there is also standard USB and your choice of RS-232, RS-485 and RS-422 serial interfaces. If wide area networking is needed, WWAN GSM/GPRS is also optionally available. Talk to the printer, GPS, or central company database, JETT•XL makes it easy.

### I need more than a date; I need a partner.

Think of Two Technologies as your mobile computing partner. We have been in business since 1987 and do all of our manufacturing in our ISO9001 registered Horsham, PA facility. We offer short lead times for products as well as industry leading service and support.

Compare our service turn-around times against anyone else and you'll agree that we are a true partner to your business model.

### I want integrated hardware solutions for my customers.

A complete range of accessories and services are available to complete or compliment your solution. There are cradles, latching mounts, standard and full custom cables, chargers and hangers among a host of other peripherals.

When you combine the JETT•XL® and the JETT•PACK®, you can have integrated GPS, RFID, Bar Code, Bar-Code Scanners, GPRS/GSM, Cameras, and if requested, we will do custom integration of your hardware peripheral as well.

We also offer accessory software packages ranging from Terminal Emulation through to Integrated Mobile Device Management, all available pre-installed and integration tested from the factory.

If you are looking for technical consultation, integrated peripherals, or any level of engineering help, GEMPASS is available to provide a range of products and services that serve to enhance the sales potentials for our GEM Partners.



# JETT.XL Specifications

## Display

- 320x240 pixel QVGA-TFT color (with white LED Backlight) • Touch screen

## Keys, Switches & Indicators

- Standard or custom graphics available • Standard or custom layouts: 45-key membrane (10 rows x 4 columns plus 1 x 5 bottom row), 45-key elastomeric, 30-key elastomeric (10 x 3), 15-key elastomeric (5x3) • Custom layouts available • Feedback: Tactile and audible • Power/resume switch: 5 programmable LED indicators (2nd, Alt, Caps Lock, Shift, Ctrl), one fixed LED for low battery/charge status (battery unit only) • Optional backlit keypad • 8 definable "hot keys" can be used to execute or automate programs.

## Interface

- One RS-232 Serial Port is standard • USB • Optional second serial port with a choice of RS-232, RS-422 or RS-485
- Internal Wireless LAN 802.11b/g (standard option) • Internal Bluetooth® (standard option)

## Power

- Nickel Metal Hydride Extended Capacity Rechargeable batteries 2500 mAh, 7.2V • AA Alkaline batteries (6)
- Recharge/Line Power: 11 to 18 VDC, 1.5A • 8 hours typical operating time (actual time may vary based on a variety of conditions)

## Environment

- Storage temperature: -25° to +70°C (no batteries installed) • Operating temperature: -20° to +50°C
- Charging temperature: -20° to +40°C • Humidity: 5-95% (non-condensing)

## Memory & Mass Storage

- 128MB SDRAM Standard (256MB Optional) 30MB+ used for OS • 512MB FLASH Standard (up to 8GB or higher optional) • Type 2 Compact Flash Card user accessible

## CPU/Operating System

- Microsoft® Windows® CE .NET 5.0 • Intel® PXA270 XScale™ technology processor - 624MHz

## Custom Options

- Line powered unit • Customizable options: case color, bumper color, LED logo tag (elastomeric keypad only), keypad layout (quantity of keys and locations), keypad graphics, logo tag, LED colors, serial tag, cables and pin-outs.

## Certifications

- FCC Class A • EN55022, 1998. (CISPR 22) Class A, EN55022/IEC 6100-4-6 RF CONTINUOUS CONDUCTED
- EN55024, 1998 - ETSI EN 301489-1,2002 - ETSI EN 301489-3,2002 - EN/IEC 61000-4-2 ESD - EN/IEC 61000-4-3 RF ELECTROMAGNETIC FIELD - EN/IEC 61000-4-4 FAST TRANSIENTS

## Development Tools

- Development Environments: eMbedded Visual C++ 4.0, Visual Studio .NET 2003, Visual Studio 2005
- 2T Developer's Library: 2T JETT Development Kits, 2T JETT SDK utilities for device specific features and functions
- GEMPASS: custom development DLLs, and free development consultation through GEMPASS

## Peripherals and Accessories

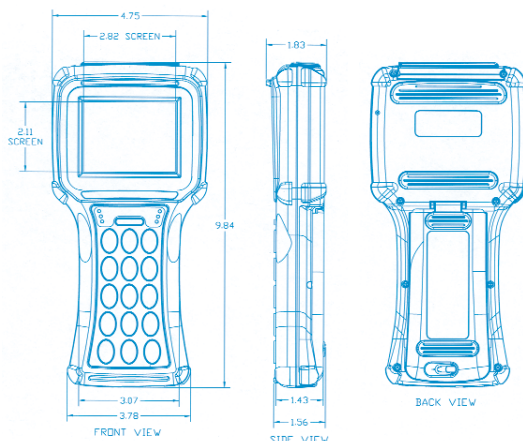
- Desktop and Mobile Battery Chargers • Desktop Cradles • Latch Mounts • Carrying cases • Standard and Custom cables • Pre-Configured 2", 3" and 4" Mobile Thermal Printers and consumables • Bluetooth Headset

## Optional JETT•PACK® Peripherals

- JETT•WAVE Radio • DGPS • GPRS • Backup Memory • Mag Stripe Reader • Custom to Your Specification

## Enhanced Software Options

- Mobile Remote Device Management • Terminal Emulation • Voice Command



## Dimensions:

- **Height:** 9.84 inches (250.0 mm)
- **Weight w/Rechargeable Battery:** 29.7 ounces (822 grams)
- **Weight w/o Battery:** 23 ounces (652 grams)
- **Width (Display area):** 4.75 inches (120.7 mm)
- **Width (Keypad area):** 3.07 inches (78.0 mm)
- **Depth:** 1.83 inches (46.5 mm)
- **Display Size (Active area):** 2.82 x 2.11 inches (71.62 mm x 53.60 mm)

