

# VersaTerm<sup>®</sup> CE Specifications

## Processor

- Intel<sup>®</sup> XScale<sup>®</sup>, 400 MHz

## Operating System

- Microsoft Windows<sup>®</sup> CE .NET 4.2, loaded from an internal compact flash card into RAM for the highest execution speed possible

## Programs (for VersaTerm CE and PC)

- Desktop PC: Microsoft ActiveSync<sup>®</sup>
- VersaTerm<sup>®</sup> Suite: Ptab<sup>™</sup> Spreadsheet, Calculator, Microsoft Windows Explorer<sup>®</sup>, Microsoft InBox<sup>®</sup> Email, Microsoft Pocket Internet Explorer<sup>®</sup>, and Microsoft Pocket Word<sup>®</sup>

## Physical Specifications

- Size: 10" high x 5.25" wide at display x 3.1" wide at narrowest point x 1.5" deep (256 mm x 133 mm x 79 mm x 38 mm)
- Weight: 1.84 lbs. or 29.5 oz. (836 grams)
- Operating Temperature: -22 to 130° F (-30 to 54° C)
- Storage Temperature: -30 to 140° F (-35 to 60° C)
- Waterproof: Passes MIL-810E-512.3 and IP67 leak (immersion) tests. To pass these tests, the VersaTerm CE is submerged under 6 feet (2 meters) of water for 2 hours
- Shockproof: Passes MIL-810E-512.4 shock (drop) test. To pass this test, the VersaTerm CE is dropped on each face and corner from 5 feet (1.52 m) onto 2 inches (5.08 cm) of plywood backed by concrete

## Communication Ports

- Cradle: Communication docking cradle is available with charging and USB connection, Can be chained through communication hub
- COM 1 Sealed 9-pin D, filtered for EMI, Full modem control signals, 5V @ 200 mA available on DTR pin, controlled by DTR
- COM 2 Sealed 9-pin D, filtered for EMI, RTS, CTS modem control signal only
- COM 3 Internal expansion bus connections, Full modem control signals, Signal levels 0 to 3.3V straight out of UART, No buffering
- Integrated Bluetooth<sup>®</sup> with Color Display Model

## Additional Ports

- USB port connection on base of unit to be used with cradle
- Infrared port will operate both Fast IrDA mode (4 M bits/sec) and Slow IrDA mode (115 K bits/sec)
- Expansion port containing Low 3 address bus signals, Low 8 bit data bus, Bus control signals, and COM 3 signals

## Display

- High visibility Monochrome or Active Matrix TFT Color LCD
- 1/4 VGA sized, 320 x 240 pixels
- LCD has an LED backlight with adjustable brightness capability for visibility in low lighting or changing light conditions
- Automatic contrast adjustment for temperature compensation
- Display heater for operation in cold environments, Can be set to turn on automatically when temperature is below -3° C
- LCD has extended temperature range to work better in cold or heat
- Active viewing area: 3.3" wide x 2.5" high (4.1" diagonal), Color display measures: 3.0" wide x 2.3" high (3.8" diagonal)
- Touchscreen includes two onboard mini styli and a full size stylus
- Touchscreen Disable button allows you to clean the screen or operate unit in heavy rain
- Touchscreen transmissivity of 84%, Non-reflective

## Status Tray Indicators

- Indicators shown in the lower right corner of the CE screen in the status tray show:

- Compact Flash Card activity
- Caps Lock on
- PC Card activity
- External Power input
- Charging indicator
- Remaining Battery charge

## Keyboard

- 62 large keys for use with gloved hands with a separate on/off key
- 12 Function keys located directly under the display; convenient for use in applications as soft keys
- Special keys include: Windows Start, Task Manager, Contrast Adjustment, Touchscreen Disable, Display back light on/off, Reset
- Large round cursor control button
- Unshifted forward and backward tab keys
- Numeric keys are large and centrally located
- All printable ASCII characters are on the keyboard
- Keys have a snappy tactile feel

## Case Design

- Ergonomic with balanced weight distribution
- Rugged, 100% sealed against water and dust
- The VersaTerm CE floats
- Designed for one-handed operation (right or left)
- Rings at all 4 corners of the case for straps
- Adjustable hand strap and shoulder strap
- Multiple strap orientations possible

## Memory/Storage

- 64MB, or 128MB SDRAM
- Compact Flash solid state disk drive with 128MB, 512MB, or 1G Factory installed, Non-removable
- 256KB Flash EPROM for Windows CE boot loader

## PC Card Slot

- User-accessible, Cards are user-removable
- 16 bit PC Card, User removable (not 32 bit Card Bus type cards)
- Accepts Type I or II 3V/5V PC cards (does not accept 3V only cards)
- Compatible with ATA Flash, Micro Hard Disk, SRAM, Modems, Wireless networking cards, and other I/O cards
- Compact Flash card adapter is available

## Power

- Rechargeable 3.6V 3800 mAh NiMH high capacity battery pack (Sharp camcorder battery)
- NiMH batteries last 12 to 20 hours depending on the application (maximum continuous use is 30 hours)
- Alkaline battery holder uses 3 AA alkaline cells (optional accessory)
- Power manager automatically switches unit into low power mode for optimum efficiency
- Separate power input connector for charging and direct power input, 5.5 x 2.1 mm, 10-20 V DC, Vehicle charger is available
- Rapid internal smart-charging in 3 to 5 hours; automatic switch to trickle charge mode to preserve charge and protect battery

## Sound

- Screen taps, Key beeps
- Plays WAV files

## Clock

- Internal battery-backed real time clock
- +/- 3 minutes per month accuracy

## Certifications

- FCC Class A
- European CE Mark

## Expandability

- GPS expansion pod available
- Custom expansion pods allow you to integrate additional components, as they become available. Options include a RF network, animal ID reader, bar code scanner, GPS receiver, parallel port, and analog sensor input. Expansion pods replace the PC card door and are sealed.

Specifications subject to change without notice.