



IT51 Data Collection Terminal

The Vertex IT51 features a 10-inch high-resolution touchscreen and high-performance processors which bring to life the full color, multi-media capability and a rich user experience. The core of the IT series software is a SQLite database and a powerful application language that is isolated from the Linux kernel and hardware. Using the Vertex Intuition software it leads each worker through an easy to use way to record their own time and jobs.

This configuration provides continued compatibility with application software and the operating system, allowing systems to evolve and benefit from future developments.

Features

- 10-inch wide-screen, LCD TFT color display, 1025 x 600 resolution with LED backlight
- Precision resistive touch screen
- High-performance, low-energy, Freescale Cortex A8 800 MHz processor
- Active IR presence detection for energy saving when terminal not being used
- 512 MB DDR2 400 MHz SDRAM
- 256 MB internal on-board flash memory
- SD memory card slot
- USB2 OTG host port
- Six USB2 ports for memory stick, Wi-Fi, expansion boards, barcode scanners, and so on.
- Ethernet connectivity with HTTPS capability for secure communications
- 2 Megapixel color camera with movie capability
- High-quality sound with internal microphone and stereo speakers for sound messaging
- Wide range of card reader types supported, featuring plug and play configuration
- Power options include 12 V DC jack, internal mains PSU and IEEE802.3af PoE
- Internal lithium-polymer battery option to run terminal during power failure

Our quality build employs a durable and eco-friendly polycarbonate enclosure on the outside and a robust Linux operating system on the inside, ensuring durability in real-world commercial environments. The flexible modular hardware, with intelligent plug and play design, offers an extensive range of card readers, biometrics and power supply options.

Installation and Configuration

Designed for fast and easy installation, IT51 terminals use a back panel with pre-formed cable entries to assist a wide variety of installation scenarios. The IT back panel includes a unique click-in system that secures different cabling methods without the need to remove or re-wire preformed cable ends.

Front panel options include a wide variety of easy-fit reader modules for proximity, swipe and biometric technologies. Here again the ease of installation and system maintenance has been fundamental to the way in which the IT51 has been designed.

Software

This clock can be used with Intuition time collection system for consumers. It integrates seamlessly with punches done on tablets or desktops and allows workers with varying degrees of capability to clock in/out. Supervisors can review the punches at the end of the day to correct and submit for processing by the Vertex Client Payroll Manager.

Precision Diagnostics

Card readers, power supplies and system expansion modules all feature embedded intelligence to provide remote monitoring and diagnostics for parameters such as current consumption, voltage, temperature and version information for every aspect of the terminal. The ability to maintain software after a terminal has been deployed is of primary importance and has been a fundamental design principle.

Everything from a complete operating system flash image update to a change in application program parameters can be safely downloaded over the Internet either automatically or manually, or uploaded locally from a USB memory stick. Modularity has been taken to a new level including automatic plug and play configuration.