



IT31 – Data Collection Terminal

The IT31 terminal is part of the Vertex IT family of data terminals characterized by ground-breaking functionality and integration with Vertex Intuition products. The core of the IT series software is a SQLite database and a tight integration with our time collection products for consumers. The IT31 is a lesser expensive data terminal that is appropriate for higher functioning workers when few job choices are worked.

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

Features

- » . Graphical backlit display (160 x 100 pixels) with variable size fonts
- » . ARM9 177 MHz low power consumption processor
- » . Durable membrane keyboard with numeric keypad, navigation and function keys featuring audible feedback
- » . 64 MB 32bit SDRAM
- » . 64 MB internal on-board flash memory
- » . USB and serial ports
- » . Ethernet connectivity with HTTPS capability for secure communications
- » . High-quality sound with internal microphone and speaker for audio 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, Vertex IT 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 IT31 has been designed.

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, and 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.

Software

This clock is used with Intuition time collection system for consumers. This clock is particularly useful when consumers are higher functioning. 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.