

Data Collection/Self Service Terminal



IT51 – The Complete Solution

The IT51 terminal is part of the CUSTOM IT family of products which is characterised by ground-breaking functionality and a simple-to-integrate, fully managed environment.

The CUSTOM IT51 features a 10 inch high-resolution touch-screen and high-performance processors which bring to life the full colour, multi-media capability, providing 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.

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

Features

- 10-inch wide-screen, LCD TFT colour 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 colour 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

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ALAN Systems offers software
that works with IT51 terminal.
product site: www.atms-watch.com

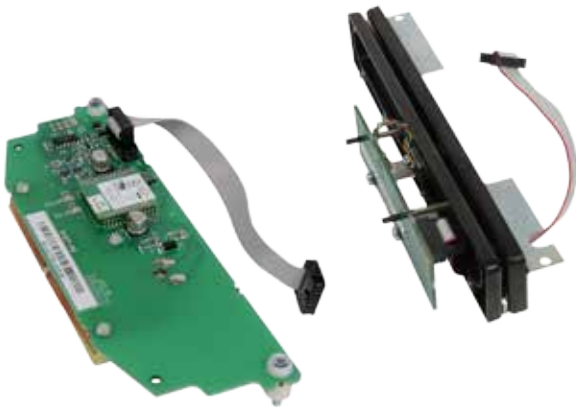
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**grosvenor**
technology



Data Collection/Self Service Terminal



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.

Grosvenor Technology's CUSTOM Exchange software provides an integrated development environment including facilities for programming and deploying code.

Designed to provide powerful functionality and superior energy efficiency, the CUSTOM IT51 delivers amazing performance at every level.

Installation and Configuration

Designed for fast and easy installation, CUSTOM 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 have been fundamental to the way in which the IT51 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, 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

Integrating CUSTOM IT terminals with your system is easy thanks to a managed software environment and CUSTOM Exchange server software. Built on the robust Linux operating system, we have created a framework for CUSTOM IT terminals that enables integrators to write or customise applications for the business logic and user interface with all the tricky details being taken care of within the managed environment. Applications that run on the terminals are written in Python, a scripting language which has the capability to access features such as the internal SQLite database but with an abstraction layer providing independence from the kernel and hardware allowing painless kernel upgrade or migration to other CUSTOM IT products.

An integrated development environment based on Eclipse provides a coding development platform for IT terminals. It includes facilities for programming, deploying code to a terminal, debugging and useful utilities for viewing a terminal status including the SQLite database.

Example applications provide a quick-start for the most common requirements from simple clocking to multi-media messaging. It means that for many situations there is little coding required so integrators can hit the ground running.

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