Program Developer & Communication Software for Mobile Data Collection Devices

IT*Script* Net®

Development Environment
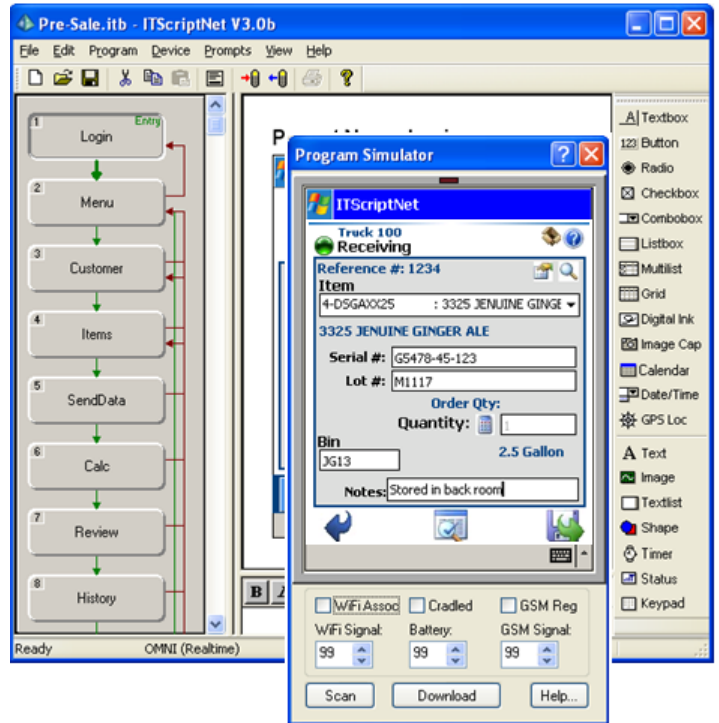
Program Design

- Input controls - textbox, radio button, checkbox, combobox, data grid, digital ink, image capture, calendar & time/date picker, GPS coordinates

- Design enhancement features – use images, shapes, colors, fonts, buttons, status indicators for:
  - ➢ Battery Life
  - ➢ GSM Signal Strength
  - ➢ Progress bar
  - ➢ WiFi association status
  - ➢ Free Space
  - ➢ Numlock state
  - ➢ Shift state
  - ➢ WiFi Signal Strength

- Customize program behavior with scripts using a rich set of over 170 functions that simplify development

- Generate defined validation files from an ODBC data source to validate input

- Print to a Bluetooth®, 802.11b, IrDA or serial printer.

Data Output to:

- ➢ Text files
- ➢ Excel® spreadsheet
- ➢ Access database
- ➢ Any ODBC data source

Data Processing Scripts

Write VBScripts to perform additional processes on the data as it is being transferred to the server. Kick off other processes, like displaying a report, printing a document, send an email, send data to a shared site (FTP), and calling COM and .Net components. These scripts provide near limitless capabilities within ITScriptNet.

Communication

Connection Methods

Batch
Connect to local PC with a cradle or cable using ActiveSync

Wireless
Local Area Network - WLAN – WiFi - 802.11b/g
Wide Area Network – WWAN - GPRS/GSM (cell phone)
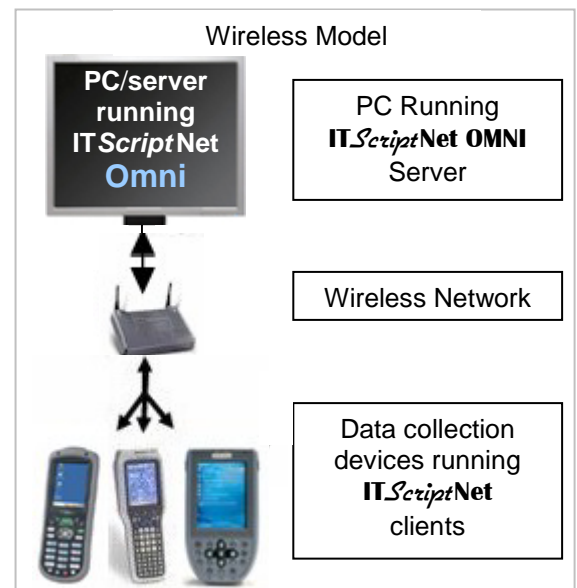
Data Transfer Methods

Batch

- Through the menus on the device and PC
- AutoDownload – place the device in the cradle, data is sent automatically. Program and validation files can be automatically reloaded.
- DL Server – manually control transfer with buttons in the data collection program

Wireless

- Manual – control when collected data is sent to the server with controls and functions, both batch and wireless.
- RF – Make a wireless connection to send the data. If the connection fails, either retry the connection or exit the program.
- Hybrid – If a wireless connection is not made, saves the data to the device for later transmission.

Wireless Model

PC/server running IT*Script*Net **Omni**

PC Running IT*Script*Net OMNI Server

Wireless Network

Data collection devices running IT*Script*Net clients

Features

ITScriptNet Key Design Features.

- **New!** Use SQL CE on the device
- **New!** Image, signature line, & text rotation
- **New!** GPS breadcrumb trail
- Capture GPS coordinates*
- Print to wireless printers*
- Display battery life and other indicators
- Scan & parse 2D codes*
- Capture signatures (sign on glass)
- Take pictures*
- Use shapes, colors and images
- Validate input against a file
- AutoTransfer data when device is cradled
- Program hot keys*
- Play .wav files, Beep and Buzz*
- Write VBScripts for add'l processing - send data to multiple output formats, send email, print reports, run other logic and more
- Password protect the program

- **New!** Create validation file from a csv file
- **New!** New elements: calandar, date/time picker, keypad, various status displays
- **New!** Color gradient for buttons and shapes
- **New!** 20 new functions!
- Select input from dropdown list
- Lock user into data collection only
- Display collected data in a grid
- Edit and delete collected data
- Checkboxes and radio buttons
- 2 licensing models – PC or Device
- Design programs to run on the PC
- Simulate program operation on the PC
- Output to Excel, Access, text files or ODBC source
- Fully test the design, operation and data transfer from device in demo mode

The following *real time* features are activated with the puchase of an ITScriptNet OMNI license.

- Send a file from the device to the server
- Store data on device until wireless connection is made (Store & Forward)
- Retrieve a file from the server
- Execute a VBScript remotely on the server
- Execute a SQL statement remotely on the server
- Load ITScriptNet programs from the server

- Connect via 802.11b/g*
- Connect via GSM/GPRS (cell phone)*
- Connect via modem
- Connect to server over the internet via local ActiveSync PC connection
- Load ITScriptNet programs from the server
- Control timing of sending data to server

Below is a small sampling of common applications where ITScriptNet has been used.

- Asset Tracking
- Check In/Out
- Disaster site personnel mgmt
- Food Safety Audit
- Inventory Control
- Package Delivery

- Pallet Tracking
- Physical Inventory
- Quality Control
- Route Accounting
- Shipping/Receiving
- Showroom Order Entry

* With properly equipped device

Visit our web site for:
- Demo versions of all products
- List of supported devices
- System requirements
- User Guides
- Support

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