The LINX VII-5 is a versatile terminal, offering unparalleled programmability packaged in the same rugged LINX case that has proven itself over decades of use in all types of environments.

What sets this terminal apart from the rest of the LINX terminal line is the integral web server and FTP server. This allows the terminal to serve web pages to a browser, or to transfer files to other devices using FTP. This standard TCP communication capability gives the terminal enhanced diagnostic and remote management capabilities.

The terminal can be configured with a static IP address or dynamically with DHCP, allowing it to be placed into networks of many different topologies.

Applications can be created in a wide range of different ways to suit any developer's skill level. Five different development tools can be used to develop any application.

The first way of using the terminal is to write an application that runs on the host computer, using HCL software that communicates with the LINX VII-5 and treats it as an I/O device.

The second type of application, and the most powerful one, is a C program.

The third application type requires only minimal programming skills. It uses scripting or canned application programs.

The fourth type is a complete end-to-end, turnkey system that uses a configurator tool to develop the terminal and the host communication and control application.

And the fifth way of using the terminal is to set it up as a VT-100 terminal emulator.

This flexibility in programming gives the LINX VII-5 unparalleled utility in the office, on the shop floor, in healthcare, and many other environments.

linx® DATA TERMINALS

Hardware Specifications

Main Memory: 16MB SDRAM

Non-volatile Program Storage: 2MB Flash

Non-volatile Memory: 0.5MB battery-backed SRAM

Real-time clock to provide non-volatile time and date information

3 Opto-isolated digital input lines

1 Relay control line

3 TTLdigital output lines

Mylar speaker for audio tones

2 “Full” RS232 serial ports

10/100 Mbit Ethernet interface

Optional integral mag stripe slot reader

Optional integral slot reader for standard linear bar codes: visible light or IR

Keypads

One-piece sealed polyester with tactile feedback

24 key numeric with 8 F-keys
63 key alphanumeric with 10 F-keys

Display

Liquid crystal supertwist, 5x7 dot matrix, .165” & .155 char size

2x40 backlit
Optional extended temperature range (-4F to 140F)

625 Digital Drive Suite 100 - Plano, TX 75075
972-964-7090

Software Specifications

Type 1- Host computer driven apps

Host Control Mode (HCL): The controlling program runs on a host computer rather than on the terminal itself.

Automator Mode: A simpler to use version of Host Control Mode

Type 2- Native terminal mode

Native Mode: Uses a “C” cross-compiler to develop programs that run directly under the control of the terminal’s OS. It is downloaded to flash memory.

Type 3- Simplified Programming Language Modes

Scripted Mode: LINXScript offers nearly complete control of the terminal but without the complexities of Native, HCL, or Automator modes. The only tools needed are an FTP client and a text editor. Programming experience is helpful.

SPI: The Simplified Programming Interface is usable by non-programmers while still offering a fairly high degree of control. An SPI program is simply a set of rules that describes what the terminal should display and what type of input should be accepted from the user. Requires only an FTP client and a text editor.

ITAS: Integrated Time and Attendance is the most basic mode. It does not require any programming at all as it is table driven. LINX also provides a Windows based program that can prepare ITAS configuration files.

Type 4- End-To End development requiring no programming knowledge

Turnkey System: A“wizard” development tool that generates control files for the following programs:

1. A program that resides in the LINX VII-5
2. A host communication and management control program that runs on the host windows computer. It does not require the developer to be a programmer, but only to be “PC literate” and understand the user application.

The Turnkey system provides a complete end-to-end solution to your application needs, whether they are online or batch. It offers full access to all terminal functions and provides a robust host computer control program.

Type 5- Terminal Emulation

VT100 Telnet: This terminal emulation program is available to any host that has a Telnet server. In this mode the terminal acts and appears as a VT100 terminal.