DIGITIZE®
First…When seconds count! ™

Digitize Inc. ■ 158 Edison Road ■ Lake Hopatcong ■ New Jersey ■ 07849
Tel: (973)663-1011 Fax: (973)663-4333 ■ Website: http://www.digitize-inc.com

SYSTEM 3505 PRISM LX™
ADVANCED ALARM MONITORING SYSTEM

Features

- NEW! **1 GHz** Fast **Dual Core** Cortex A7 ARM Processor – actually has two ARM processors sharing the work load at the same time.
- NEW! **Multitasking** Linux operating system**.**
- NEW! 4 Gigabytes of user memory – No longer requires MEM600 chips.
- NEW! Informative 5.7" **Color** LCD Display with wide angle viewing, very bright!
- On line programmable.
- Low Power – Very efficient, no fans.
- **Graphic Thermal Printer** provides continuous hard copy printout.
- External USB Keyboard for user text entry and System setup. Text can be edited via the WIN3505 application and the output file uploaded via the system's built in WEB browser without interrupting the operation of the Prism LX.
- Operates in a **Standalone mode**, or can be part of a **LAN / WAN** of other Prism LX units via the **AlarmLan** option.
- 8 levels of Alarm Priority, 4 are user programmable.
- Multiple communication protocols utilizing Ethernet, RS-232, RS-485, Radio, & MM/SM Fiber. Configurations are based upon installed options.
- Extensive programmable sound & volume combinations through the internal sound generator.
- System operation is **supervised**. Internal monitor activates an audible alert in the event of an internal malfunction.
- **Customizable** – Operation can be modified for user specific applications.
- **ETL & CSFM Listed**

System 3505 Prism LX™ Monitoring System

System Description

The System 3505 Prism LX™ is a highly integrated alarm monitoring system that uses state-of-the-art components and circuitry to continuously monitor and display the status of all connected alarms. When an alarm condition occurs, the System 3505 Prism LX™ presents it to the operating personnel via a programmable audible alarm, color graphic display and a permanent printed record on the thermal paper tape. The System 3505 Prism LX™ can monitor up to 500 active alarm points simultaneously, and in any combination of multiplex, telegraph / McCullough codes, direct-wire, digital dialer, network, polling radio, and serial input alarm signals, as well as Ethernet utilizing the AlarmLan. Options can be tailored to your installation's precise needs.

The System 3505 Prism LX™ monitors three alarm categories: Zone, Dialer, and Box. The **AlarmLan** option now allows zone inputs to be monitored via Ethernet. Direct wire zone inputs are monitored via EOL or RPI input cards. Remote zone inputs are monitored via Data Gathering Panels / Muxpads. The DGM Panel / Muxpads can communicate with the Prism LX via Ethernet, RS-232, RS-485, Poling Radio and MM/SM Fiber. Dialers are monitored via Digitize DDI-11e Dialer Receiver. Box alarms are monitored via telegraph / McCullough coded boxes or 1221 Radio interface card.

The SYSTEM 3505 Prism LX™ can store 30,000 screens of user programmable. All user data is maintained in the event of a power failure, including the loss of battery backup. Editing user memory can be performed with an external USB keyboard, with the WIN3505 software and uploaded to any System 3505 Prism LX™ unit via its built WEB browser in a second or two while the Prism LX is still monitoring events. Relay control is available to control fans, doors, and output modules. Programmable point output controls up to 2,048 output points, either remotely or at the System 3505 Prism LX™ location.

Software Support - The encrypted Prism LX Software updates are available on the Digitize WEB site to users with active software support agreements. Updates include any changes to the Linux system as well as the Prism LX and install via the built in WEB browser.

Phone Tethering - The Prism LX supports Smart Phone Tethering. When connected and set to USB tethering, the Prims LX unit will "Phone home" and the Prism will beep twice to confirm the Ethernet connection to the Digitize Engineering server. Once connected, Digitize can update the operating program remotely as well as add any purchased options, check memory structure, review your setup file (.EE3 file), add support years, and download your diagnostic data, etc.

Applications - Used as a standalone unit or connected in a network of multiple 3505's, the System 3505 Prism LX™ is designed for fire alarm reporting, security alarm monitoring and building management. A dedicated proprietary alarm monitoring system, the System 3505 Prism LX™ has been expressly developed for single ownership applications, such as universities, military bases, municipalities, hospitals, industrial complexes, and other multi-building campus facilities.

Specifications

DIMENSIONS: *Height*: 6.97 in. (17.7 cm); *Width*: 19.0 in. (48.3 cm); *Depth*: 15.5 in. (39.5 cm)

WEIGHT (approximate): *Net Weight*: 21.3 lbs. (9.7 Kg); *Shipping Weight*: 25.0 lbs. (11.38 Kg)

ENVIRONMENT: *Operating Temperature*: 32 to 120° F (0 to 49° C); *Storage Temperature*: 14 to 158° F (-10 to 70° C); *Operating Humidity*: 0 to 85% (non-condensing); *Storage Humidity*: 0 to 85% (non-condensing)

CPU: 1 GHz Dual Core Cortex A7 ARM Processor

MEMORY: 1 Gigabyte Ram; 4 Gigabytes On Board Flash; 32 Gigabytes External Flash on removable MicroSD memory card. Provides for over 30,000 screens of alarm information.

DISPLAY: *Resolution*: 640 x 480 pixels, VGA; *Viewing Area*: 5 in. x 3.87 in.; *Panel Type*: a-Si TFT-LCD LED Backlit; Colors: 262K (6 bit)

THERMAL PRINTER: *Print speed*: 75mm/s; *Roll Size*: 3 1/8 in. W x 220 ft. L; *Print Image*: Black (based on paper used); *Capacity*: 1500 Alarms per roll

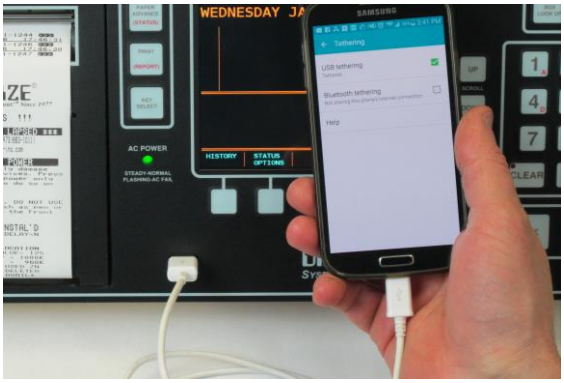
FUSES: *AC Line Input Fuse*: 3.0 Amp (fast blow)

POWER: *Primary AC Power Input*: 90 to 240 VAC; *AC Power Consumption*: 100 Watts (max.); *Frequency Input*: 47-63 Hertz *Standby DC Power Input*: 24 VDC (nom.); *DC Operating Current*: 1.5 Ampere DC (max.)

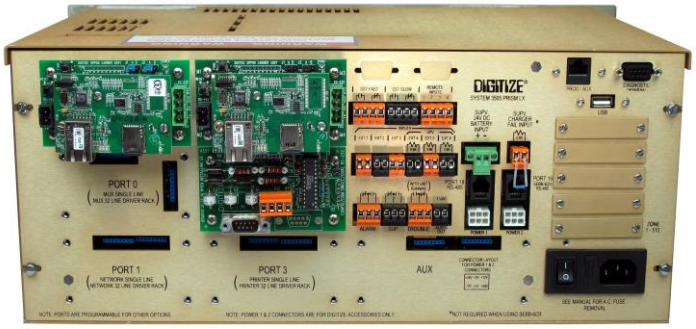
OUTPUTS: *Audio Out*: Line level output (1 Volt P-P) for connection to an external amplifier or PA system;
SST Fast: Normally open/closed dry contacts used for special options;
SST Slow: Normally open and normally closed "dry" relay contacts used for special options.
ALARM: Energized based on SET MENU selection;
TROUBLE: Normally energized when System operates properly;
SUP: Energized based on special options;
POWER 1&2: To power additional Digitize equipment

INPUTS: *AC Power*: Detachable Cord; *Standby Battery*: 24 Volts DC (Typically connected to SEBB-LCD Backup charger);
Remote Inputs: "Telegraph Coded Input" option; *EXT Inputs 1-6*: EXT 4, 5, and 6 are supervised;
CHARGER Fail Supervised Charger Fail Input. (Not needed with SEBB-LCD);
Ethernet: Built in Ethernet port for managing firmware and user memory;
USB Ports: 3 USB Ports, one on front panel, one on rear panel, for connection to USB keyboard. The third port (located inside printer door) allows field service technicians to tether to the 3505 for field updates and servicing.

***APPLICABLE PUBLICATIONS*:** FCC Rules and Regulations, Part 15; National Electric Code; NFPA 72 (Proprietary and Central Station)



System 3505 Prism LX™ demonstrating Phone Tethering connection to Smart Phone via USB.



System 3505 Prism LX™ Rear Panel (Optional Cards Shown)

System 3505 Prism LX™ Enhancements

Remote Annunciator offers an interactive audio/visual display of System 3505 Prism LX™ activity at remote locations. Multiple Remote Annunciators can be added to the system, distributing filtered information to many locations. Remote Annunciator options include automatic Text-2-Cell & E-mail notification. See Cut sheet 750581.

Digitize AlarmLan™ option allows the System 3505 Prism LX™ to communicate with equipment practically anywhere in the world via Ethernet. Multiple Prism LX units can be connected in a LAN / WAN configuration and each Prism LX unit becomes an Alarm Server.

Test Mode Option masks user specified alarms by alarm point, groups of alarm points, or buildings, for a user specified time not to exceed 8 hours.

Partial List of Optional Interfaces

Clients interested in the System 3505 Prism LX™ are often interested in the following optional products:

Solid State Telegraph ▪ Radio Box 1221 ▪ Remote Annunciator ▪ SIPPDD Card ▪ DET Electronic Transmitters ▪ DGMs Text-2-Cell ▪ SDS/Desplex ▪ Multiplex ▪ CGRMS (Cad system) ▪ Digitize AlarmLAN™ and DataLAN™ Protocol Digitize MeshSentry Network ▪ Network Systems ▪ Intellitize ▪ Digital Alarm Receiver ▪ Micromux Mesh Radio Communications ▪ Muxpad II ▪ Digitize SST