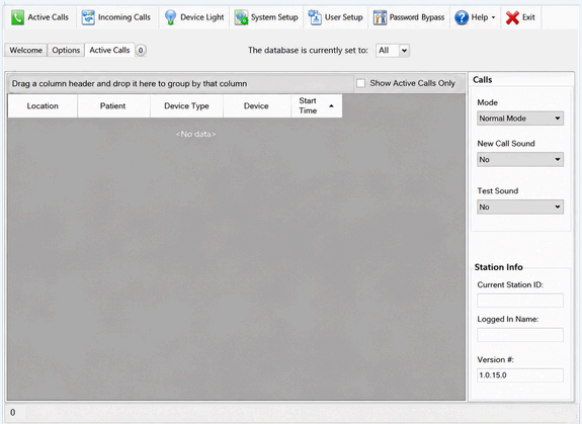
Product Specification Sheet
WNC-SCA
Statistical Reports Software



WNC-SCA
Statistical Reports Software

The WNC-SCA Statistical Reports Software is a specialized management and auditing application designed specifically for the MV400 Wireless Nurse Call Console. The software captures, stores, logs, and processes call activity data transmitted by wireless peripherals (such as bed stations, pendant transmitters, and toilet switches). By generating comprehensive analytical reports, the WNC-SCA gives healthcare administrators, directors of nursing, and facility managers deep visibility into staff response times, patient call volumes, and overall operational efficiency.

Architects' and Engineers' Specifications

The Nurse Call Management and Activity Reporting Software shall be model WNC-SCA, engineered specifically for integration with the MV400 Wireless Nurse Call Master Console. The software application shall establish a secure data connection via a dedicated interface link to capture all incoming system telemetry in real time.

The software must maintain a secure, non-volatile database logging the date, timestamp, device identifier, priority level, and elapsed response duration of every transmitted event. The reporting engine shall support custom filtering parameters and generate exportable reports in standard PDF and CSV formats. The application shall run natively on a standard Windows-based operating system provided by the facility.

Specifications

- **Model Number:** WNC-SCA
- **Software Platform:** Windows-compatible desktop application (Windows 10 / 11 and Server editions)
- **Console Compatibility:** MV400 Wireless Nurse Call Master Console
- **Hardware Interface:** RS-232 Serial or USB Adapter Interface Kit
- **Database Architecture:** Secure localized SQL-lite or proprietary secure flat-file database
- **Minimum PC Requirements:** Intel Core i3 (or equivalent), 8GB RAM, 20GB free hard drive space
- **Report Export Formats:** PDF, Excel (.XLSX), Comma-Separated Values (.CSV)

Compliance and Certification

• FCC: Not directly applicable as an unpowered software application; however, the interfacing data connectivity kits comply with FCC Part 15 Class B structural standards for digital devices.
• UL: Components and peripherals are compliant with the overall operational system workflow when installed alongside a UL 1069 or UL 2560 certified wireless host configuration.
• RoHS: All software delivery media (such as flash drives or connection cables) are fully RoHS compliant and free of hazardous heavy metals.

Features

- **Detailed Activity Logging:** Records the precise date, time, station ID, call type (e.g., routine, emergency, bath), and total duration of every call event.
- **Staff Response Time Tracking:** Automatically calculates the elapsed time between the initial call placement and the physical reset at the patient station.
- **Pre-Formatted Reporting Templates:** Includes standard templates for Shift Summary Reports, Hourly Call Volume Analysis, Peak Activity Windows, and Station Call History.
- **Exporting Capabilities:** Allows administrators to export raw data or finished reports into universal formats (such as PDF, CSV, and Excel) for external auditing and record-keeping.
- **Historical Data Archiving:** Features an automated data backup routine that stores historical call activity data over extended periods without slowing system performance.

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More Features

• **Custom Filter Generation:** Users can filter reports by specific dates, individual rooms, designated departments, or specific alarm priority levels to isolate problem areas.

• **Graphical Data Dashboards:** Converts complex tabular data into easy-to-read charts and graphs, making it simple to identify operational trends at a glance.

• **Staff Accountability Tracking:** Identifies patterns in response delays, helping management optimize staffing levels during peak historical call times.

Equipment Options

• **WNC-SCA-S:** Standard single-user software license package, installed directly on a local facility PC connected to the MV400 console.

• **Network Integration Module:** Optional hardware/software add-on that enables multi-user network access to reports across a local area network (LAN).

• **Serial/USB Interface Cable:** Required hardware link kit to establish a direct, real-time data connection between the MV400 master console data port and the host computer.

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