Central
Monitoring Station

CarePoint

Senior Living Solutions

The Heart of the CarePoint System

Central Monitoring Station

Key Functions

The Central Monitoring Station (CMS) is comprised of components that provide key functions and central control of the CarePoint system. The CMS provides redundant features that help maintain system functionality, and maximize reliablity. Philips CarePoint software installed on the CMS PC allows caregivers and administrators to set up, monitor, and manage the CarePoint system.

Features and Benefits

- Runs a password-protected master session of the Philips CarePoint software application
- Multiple redundant design features
- Configures and manages entire network
- Manages up to eight networked monitoring stations
- Full alert history and status reports
- Communicates with Lifeline modem for off-site system monitoring

PHILIPS
sense and simplicity

Global access. Local control.

The Central Monitoring Station provides centralized, master system control, integrating information from all system components. This central control helps to increase security, and eliminates the need for multiple databases. With the CMS, users can monitor alert devices, resident and system alerts, door status, and potential wanderer activity - all from one central location. The CMS runs the master session of the CarePoint software, which employs multiple levels of password access. To help maintain system integrity, the CMS utilizes anti-virus protection, a system firewall and a watch dog software application that automatically restarts the master session if it is shut down, or if an error is detected.

Networked Monitoring Stations

Up to eight Networked Monitoring Stations (NMS) can provide access to key resident and system information from multiple locations across the community, or even outside the community. Network stations run a version of the CarePoint software on any Windows XP-based PC platform, and may run other applications besides the CarePoint software[1]. Each NMS provides a window to the CMS, while actions executed at the networked stations are reflected at the CMS for history and reporting.

Community-wide Oversight and Alert Notification

The CMS continually monitors both resident and system alerts. It records and processes incoming alerts, and manages staff notification. System and resident alerts both follow the customizable CarePoint call escalation protocol, with optional offsite monitoring provided by Philips Lifeline. Alerts and actions at the CMS are recorded in history, providing a full audit trail.

Network Setup and Device Management

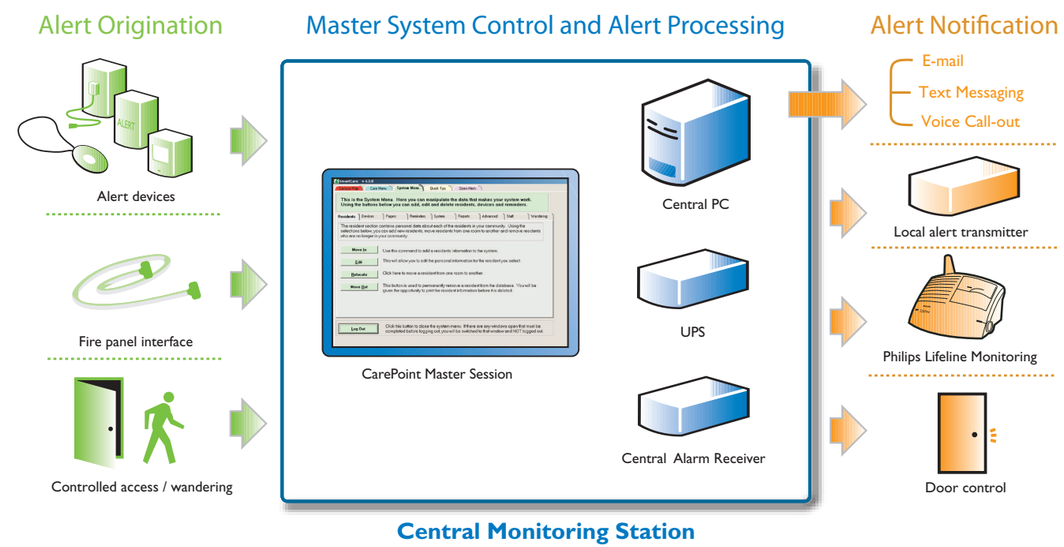
The CMS maintains all device information and a map of the campus. With active mapping enabled, CarePoint can display the location of certain alerts. All backbone devices are configured and managed at the CMS.

Redundant Design

Self-monitoring and redundancy features are built into CarePoint to help keep your central station up and running.

- System self-diagnostics identify issues with network components and devices and report them through the same alert escalation engine used for resident alerts.
- The Redundant Array of Independent Discs (RAID-1) hard drive configuration improves reliability and fault recovery by automatically writing all data concurrently to two independent hard drives.
- The Central Alarm Receiver can continue to send local alerts if the central PC is unable.
- Watchdog software automatically restarts the CarePoint software in the event of a problem, and the system automatically restarts from power failures.
- The CMS PC will boot from the second hard drive if the primary drive fails. A system alert is generated if this happens so the drive fault can be investigated.
- The UPS provides system protection from transient power interruptions or brownouts.

The Central Monitoring Station provides key system control and alert processing functions



1. **Central PC**. This commercial-grade PC is dedicated to the CarePoint software application. It maintains all system and resident information, interprets incoming data from the Central Alarm Receiver and the Lifeline modem and executes the appropriate response. The Central PC is also responsible for all off-site alert notification such as email, text or synthesized voice notification.

2. **CarePoint software**. The master session provides password-protected, centralized control:
   - Device alert supervision and status
   - Alert call management, staff notification, and call escalation
   - Controlled access and wander management
   - Network setup and device management
   - Reporting

3. **Central Alarm Receiver (CAR)**. CarePoint's traffic cop, the CAR regularly polls the system's wireless receivers and transmits data to the CMS PC. The CAR will process incoming alert data and send out local response alerts if the CMS PC is unable to do so.

4. **Local Alert Transmitter**. The alert transmitter sends out alerts according to the defined protocol. Alerts can be sent to local pagers, IP or Spectralink phones.

5. **Uninterruptible Power Supply (UPS)**. The UPS provides short-term system protection from transient power interruptions or brownouts. This aids in providing overall system stability and maintaining resident database integrity.

6. **Printer**. An inkjet printer produces database reports in hard copy.

7. **Fire panel interface (optional)**. Connects an existing fire panel to the central PC. The data stream sent to the PC can indicate the type and location of the alarm in a message sent to local responders. The system is capable of reporting multiple alarm messages if the event involves more than a single zone.

8. **Lifeline Modem (optional)**. The Lifeline modem provides a critical communication link between the CMS and the Philips Lifeline call center.

Specifications*

	PC	Monitor	CAR	UPS
Description	HP Desktop Computer	HP 17-inch LCD Monitor (flat screen)	Central Alarm Receiver	Uninterruptible Power Supply
Model #	RP5700	HP L1710	Philips1900573	APC Back-UPS Model RS1500
Dimensions (H x W x D)	4.5" x 13.5" x 15.5"	15.2" x 14.8" x 7.5"	2" x 6.5" x 11.5"	14.6" x 3.4" x 13.10"
Weight	20.5 lbs	10.4 lbs	3 lbs	22 lbs
Color	Black / Carbonite / Silver	Carbonite / Silver	Beige	Beige
Power Requirement	100V-240VAC, 5A @ 90VAC, 50/60Hz	100-240VAC, 50/60Hz	+12V DC, 0.5A	120VAC, 12A, 50/60Hz

* Specifications on non-Philips hardware are accurate at time of print. Refer to individual manufacturer website(s) for products listed for the most up-to-date specifications.

Network monitoring station system requirements

Windows XP operating system with service pack 2 or 3
McAfee or Norton Anti-virus Software
Minimum T10/100 Network port
Minimum 50MB hard drive space

1. System has been tested for compatibility with Microsoft® Office, McAfee® Anti-virus software and Norton™ Anti-virus software.
2. Notification sent as an email to the cell phone number.

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