

CM-401

Computer Server (inform)

(Front)



Description: The CM-401 Computer Server is the central hub for the inform nurse call system. All calls and alerts are processed through the server which then alerts staff. A monitor, keyboard and mouse can be connected to allow for system monitoring at the server location. Additional devices may connect to the server depending on the features requested.

(Back)



Operation: Signals from wireless patient stations are transmitted through the Repeater(s) (RP-102E) to the central Network Coordinator (NC-800R), which transmits data to the inform server computer. The server (and inform software) routes resident's calls, displays and manages alerts, and can also generate metrics such as wait time, response time and more.

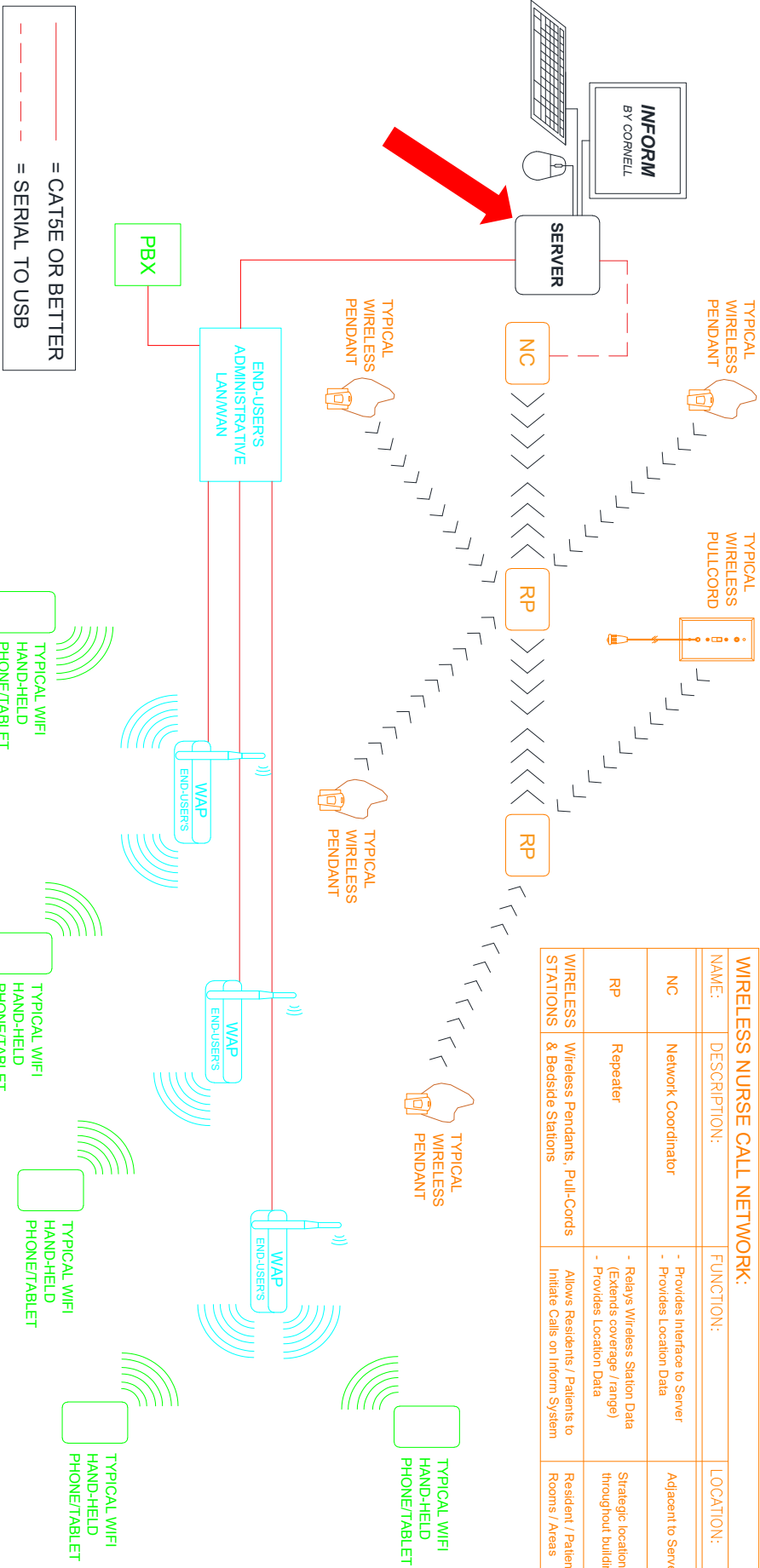
Mounting: The CM-401 typically desk-mounts with the monitor (MON-800). The CM-401 includes a mouse and keyboard and is installed at a central staff monitoring location or workstation.

Engineering Specifications: The contractor shall furnish and install the CORNELL CM-401 Computer Server as indicated on the plans. Cables are included to connect auxiliary devices (mouse and keyboard).

Technical Information:

- Power Requirements: 120VAC, 65W power supply adapter included
- Physical Dimensions: 7.2"W × 7.05"H × 1.44"D
- Weight: 2lbs
- Ports/Slots (Front):
 - 1x USB-C 3.2 Gen 2
 - 1x USB-A 3.2 Gen 2 (always on)
 - 1x Headphone / mic combo
- Ports/Slots (Rear):
 - 2x USB-A 3.2 Gen 2
 - 2x USB-A 2.0
 - 1x HDMI 2.1 TMDS
 - 1x DisplayPort 1.4
 - 1x Optional Punch out port: VGA or DP or COM
 - 1x Ethernet (RJ45)

WIRELESS NURSE CALL NETWORK:			
NAME:	DESCRIPTION:	FUNCTION:	LOCATION:
NC	Network Coordinator	- Provides Interface to Server - Provides Location Data	Adjacent to Server
RP	Repeater	- Relays Wireless Station Data (Extends coverage / range) - Provides Location Data	Strategic locations throughout building
WIRELESS STATIONS	Wireless Pendants, Pull-Cords & Bedside Stations	- Allows Residents / Patients to Initiate Calls on Inform System	Resident / Patient Rooms / Areas



I.P. NETWORK DATA				
NAME:	DESCRIPTION:	FUNCTION:	LOCATION:	DATA / DETAILS:
SERVER	Small form-factor PC / Server with Monitor, Mouse, & Keyboard	- Functional server "Core" of each Inform System - Regulates system operations and maintains data logs	Secured Administrative Location or Network / Telecom Room	- (1) Gigabit Ethernet Port
PBX	Private Branch Exchange - (IP-Based)	- Manages flow of Voice Packets across the Network - Provides Voice Call feature between hand-held clients (with support by specialized Software / Apps)	Typically Adjacent to Server or to a nearby Network Switch	- (2) Ethernet Ports (WAN and LAN) - (4) RJ11 Phone Ports
WAP END-USERS	Wireless Access Point(s) (Provided by End-User)	- Provides "Wi-Fi" within the area each WAP is installed - Network pathway between Phone/Tablet devices and the PBX - Allows for call indication, response and voice functions on Phone or Tablet devices	Strategically placed throughout the building. Typically placed about 80ft apart / 30ft from end-walls.	- Wi-Fi Standards: (2.4GHz Radio) 802.11 b / g / n - Advanced QOS ability - Configurable per user (Data Limiting)
HAND-HELD PHONE / TABLET	- Hand-held clients (iPod Touch / Pad w Apps) - PC with console software - PBX to create phone network	- Used by staff to monitor, take or complete system calls. - Receives assigned notifications (different for each user) - 2-way voice between hand-held devices	Mobile devices carried by staff members (Optional devices at Admin Locations such as a Nurse Desk, etc.)	- Apple devices = Dual-core A5 Processor, 512MB of RAM, 32-64GB Flash Memory. - Hand-held Phone or Tablet options. - Wi-Fi Standard = 802.11n - 2.4 & 5GHz Radios