



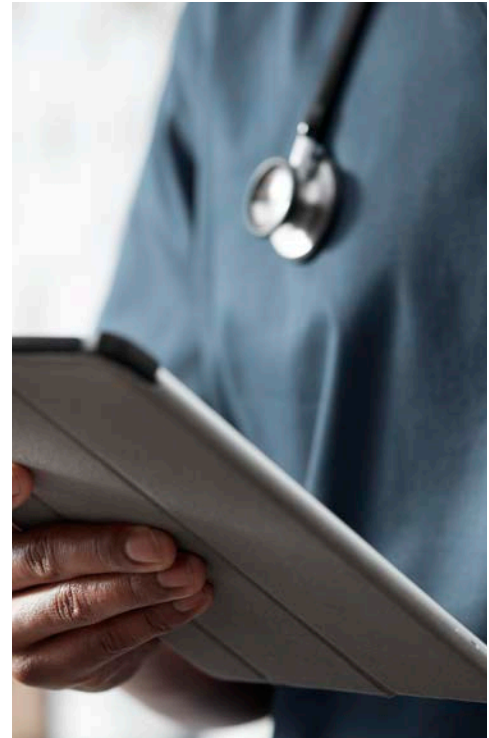
Hillrom™

Welch Allyn® Connex® Clinical Surveillance System Connex Central Station

IMMEDIATE ACCESS TO THE ACCURATE DATA YOU NEED

Help increase efficiency, enhance clinical decision-making and improve patient safety with the Welch Allyn Connex Central Station from Hillrom. This technology brings the Welch Allyn Clinical Surveillance System together so you can view a patient's status at a glance. It also helps you respond to remote alarm notifications and view all the data you need—vital signs, continuous respiratory data and motion levels—in a single record.

Each Central Station supports up to 48 patients, and multiple Central Stations can be linked for added surveillance. Optional EMR connectivity sends vital signs, continuous monitoring data and motion levels into your medical records. Plus, hallway displays and alarm notifications provide continuous monitoring, so you have the data you need when and where you need it.



WELCH ALLYN CONNEX NETWORK SPECIFICATIONS

CS/Device Support	Up to 6 Connex CS per network; Up to 800 spot-check and 288 continuous monitor connections per network
Networking: Hard-Wired or Wireless	Ethernet and 802.11 a/b/g. 802.11a required for continuous monitoring
Supported WLANs¹	Multiple WLANs supported including Aruba®, Cisco®
Radio Card (802.11a)¹	5.15–5.25, 5.25–5.35, 5.47–5.725, 5.725–5.85 GHz; Quality of service: 802.11e QoS; Receiver sensitivity: -65 dBm (minimum); Transmit power: 14 dBm (typical)
Authentication/ Encryption	WEP 64 and 128, WPA2 Personal, WPA2 Enterprise (EAP-TLS, EAP-TTLS, EAP-PEAP [MSCHAPv2]), supports TLS encryption up to version 1.2
FIPS Compliant	Yes

¹ Refer to Wireless Best Practices Overview (80023689) for current WLAN specifications and network configuration information.

² Refer to Welch Allyn Connex CS Technical System Requirements (80024135) for specific models supported and resolution requirements.

³ Refer to 80018669 for complete description of security protocols.

WELCH ALLYN® CONNEX® CENTRAL STATION SPECIFICATIONS

Software Options	Connex CS Software includes flow sheet, continuous trends, graphical trends, patient alarms and 4-day review; Optional ADT interface; Optional Outbound HL7® ORU interface; Optional alarm interface; Software requires customer site to have SQL license
Vital Signs Monitored	Welch Allyn Connex Vital Signs Monitor (CVSM) 6000 Series, Connex Spot Monitor and Connex Integrated Wall System <ul style="list-style-type: none"> • NIBP, temperature, SpO₂ (Nellcor® or Masimo®) • Medtronic® Microstream® Capnography (etCO₂), RR, IPI • Masimo acoustic respiration (RRa) • EarlySense® PR, RR, bed exits, turn reminders • Manually entered parameters • Custom scoring
Tile Layout Modes	Automatically sorted, mapped by patient location or manual
Patient Support	48 patients per Central Station
Communication	Bidirectional—parameter settings, alarm limits, patient list
Wide Area Notifications, including Alarms	Audible and highly visible alarm notification; multiple queues for each alarm, border indications; Easy alarm tone pause and limit adjustment; Configurable audible alarm hold-off: 0–20 seconds; Alarm notification allows for alarms to be monitored from the bedside, handheld devices or Central Station
Displays Supported²	24" color flat-panel monitor (customer supplied) 27" color flat-panel monitor (customer supplied)
Repeater Displays Supported¹	27" color flat-panel monitor (customer supplied) 42" color flat-panel monitor (customer supplied)
Laser Printer	Multiple printers supported (customer supplied) ²
Desktop Workstation	Operating system: Windows® 10 supported
Welch Allyn Connex HIS Interfaces	Admit/Discharge/Transfer (ADT), and Outbound ORU; Alarm Interface Gateway (HL7); Connex CS application is designed to work with HL7 revisions: 2.3, 2.3.1, 2.4, 2.5; Imprivata ConfirmID™ for Medical Devices for Clinician Authentication; Active Directory for Clinician Authentication
Connex Server Application Software (CSAS) Server Operating Systems Supported	Windows Server 2012 R2; Windows Server 2016; Windows Server 2019
SQL Versions Supported	2012; 2014; 2016; 2017; SQL Express 2017 (Client Only)

WELCH ALLYN CONNEX SERVICE & SUPPORT TOOLS

Remote Diagnostics	Welch Allyn PartnerConnect SM enables remote technical support of devices and software; Secure Internet connection required on port 443 (SSL) ³ ; No transfer of patient information (HIPAA compliant)
Device and System Monitoring	Compatible with Welch Allyn Service Hub to enable customer self-support of devices and software: Connex Vital Signs® Monitor 6000 Series, Connex Spot Monitor, Connex Central Station, Connex Server Application Software (CSAS); View device status, configuration, locations, calibration schedules, software/ firmware versions, licensing, services (applications) PartnerConnect required Supported browsers: Internet Explorer® 8+, Google™ Chrome V15+, Apple Safari® V5.1+

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