

# Welch Allyn Connex® Clinical Surveillance System Connex Central Station

Provides immediate access to accurate patient data, helping to increase efficiency, enhance clinical decision-making, and improve patient safety.



The Welch Allyn Connex Central Station brings the Connex Surveillance System together by allowing you to view the status of all patients at a glance. It also helps clinicians to respond to remote alarm notifications and view vital signs, continuous respiratory data and motion levels in a single patient record.

Each Welch Allyn Connex Central Station supports up to 48 patients, and multiple central stations can be networked together for added surveillance. Optional EMR interface capability automates the documentation of vitals, continuous monitoring data and motion levels into your medical record. Plus, hallway displays and alarm notifications give clinicians the information they need—where and when they need it.

## Select Specifications

Connex <sup>®</sup> Central Station	Software Options	Connex CS Software includes Flow Sheet, Continuous Trends, Graphical Trends, Patient Alarms and 24-hour Review Optional 4 Day Review Optional ADT interface Optional Outbound HL7 ORU interface Optional Alarm Interface Software requires customer site to have an SQL license
	Vital Signs Monitored	Connex Vital Signs Monitor (CVSM) 6000 Series NIBP, Temp, SpO <sub>2</sub> (Nellcor <sup>®</sup> or Masimo <sup>®</sup> ) • <b>Covidien<sup>®</sup></b> Microstream <sup>®</sup> Capnography (etCO <sub>2</sub> ), RR, IPI • <b>Masimo<sup>®</sup></b> Acoustic Respiration (RRa) • <b>EarlySense<sup>®</sup></b> PR, RR, bed exits, turn reminders Manually entered parameters
	Tile Layout Modes	Automatically sorted, mapped by patient location or manual
	Patient Support	48 patients per Central Station Up to 30 simultaneous, continuous monitor connections
	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 Supported <sup>1</sup>	24" color flat-panel monitor (Purchased or customer-supplied) 27" color flat-panel monitor (Customer-supplied only)
	Repeater Displays Supported <sup>1</sup>	27" color flat-panel monitor (Customer-supplied) 42" color flat-panel monitor (Customer-supplied)
	Laser Printer	Multiple printers supported; can be purchased or customer-supplied <sup>1</sup> Customer provided driver for MS Windows 7 – 64 bit O/S (PCL6 preferred).
	Desktop Workstation	Operating System: Windows 7 Embedded
	PC Physical Specifications	329 mm (13.0 in) H x 136 mm (5.4 in) W x 394 mm (15.5 in) D Weight: 8.9 kg (19.7 lb) Preferred Mounting: Mid-tower or desktop, at Nurse Station
Connex Network	CS/Device Support	Up to 6 Connex CS per network Up to 288 spot-check and 144 continuous monitor connections per network
	Networking: Hard-wired or Wireless	Ethernet and 802.11 a/b/g. 802.11a required for continuous monitoring.
	Supported WLANs <sup>2</sup>	Multiple WLANs supported, including Aruba <sup>®</sup> , Cisco <sup>®</sup>
	Radio Card (802.11a) <sup>2</sup>	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])
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	
Connex Service & Support Tools	Remote Diagnostics	Welch Allyn PartnerConnect Enables remote technical support of devices and software Compatible with PCs running Microsoft <sup>®</sup> Windows <sup>®</sup> Server 2003, 2008, 7, XP, or Vista <sup>®</sup> Secure Internet connection required on port 443 (SSL) <sup>3</sup> No transfer of patient information (HIPAA Compliant)
	Device and System Monitoring	Welch Allyn Service Dashboard Enables customer self-support of devices and software: CVSM 6000 Series, Connex Central Station, Connex Closet Server 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+

<sup>1</sup>Refer to Connex CS Technical System Requirements (80018292) for specific models supported and resolution requirements.

<sup>2</sup>Refer to Connex Network Installation Best Practices Overview (80018295) for current WLAN specifications and network configuration information.

<sup>3</sup>Refer to MC10279 for complete description of security protocols.