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 Clinical Surveillance System together by allowing you to view the status of all patients at a glance. It also helps clinicians 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.
### 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 | Connex Vital Signs Monitor (CVSM) 6000 Series, Connex Spot Monitor and Connex Integrated Wall System  
| NIBP, temperature, SpO₂ (Nellcor® or Masimo®)  
| **Covidien®** 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 Supported¹ | 24" color flat-panel monitor (purchased or customer supplied)  
| 27" color flat-panel monitor (customer supplied only) |

| Repeater Displays Supported⁵ | 27" color flat-panel monitor (customer supplied)  
| 42" color flat-panel monitor (customer supplied) |

| Laser Printer | Multiple printers supported; can be purchased or customer supplied² |

| 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 |

| 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®  
| 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 |

### 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 |

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| Quality of service: 802.11e QoS  
| Receiver sensitivity: −65 dBm (minimum)  
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### 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 Service & Support Tools

| Remote Diagnostics | Welch Allyn PartnerConnect™ enables remote technical support of devices and software  
| Compatible with PCs running Microsoft® Windows® Server 2003, 2008, 7, XP, or Vista®  
| Secure Internet connection required on port 443 (SSL)¹  
| No transfer of patient information (HIPAA compliant) |

| Device and System Monitoring | Welch Allyn Service Dashboard enables 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+ |

¹Refer to Connex CS Technical System Requirements (80018292) for specific models supported and resolution requirements.  
²Refer to Connex Network Installation Best Practices Overview (80018745) for current WLAN specifications and network configuration information.  
³Refer to 80018669 for complete description of security protocols.