

Mindray eGateway

Seamless Integration to Hospital Information System

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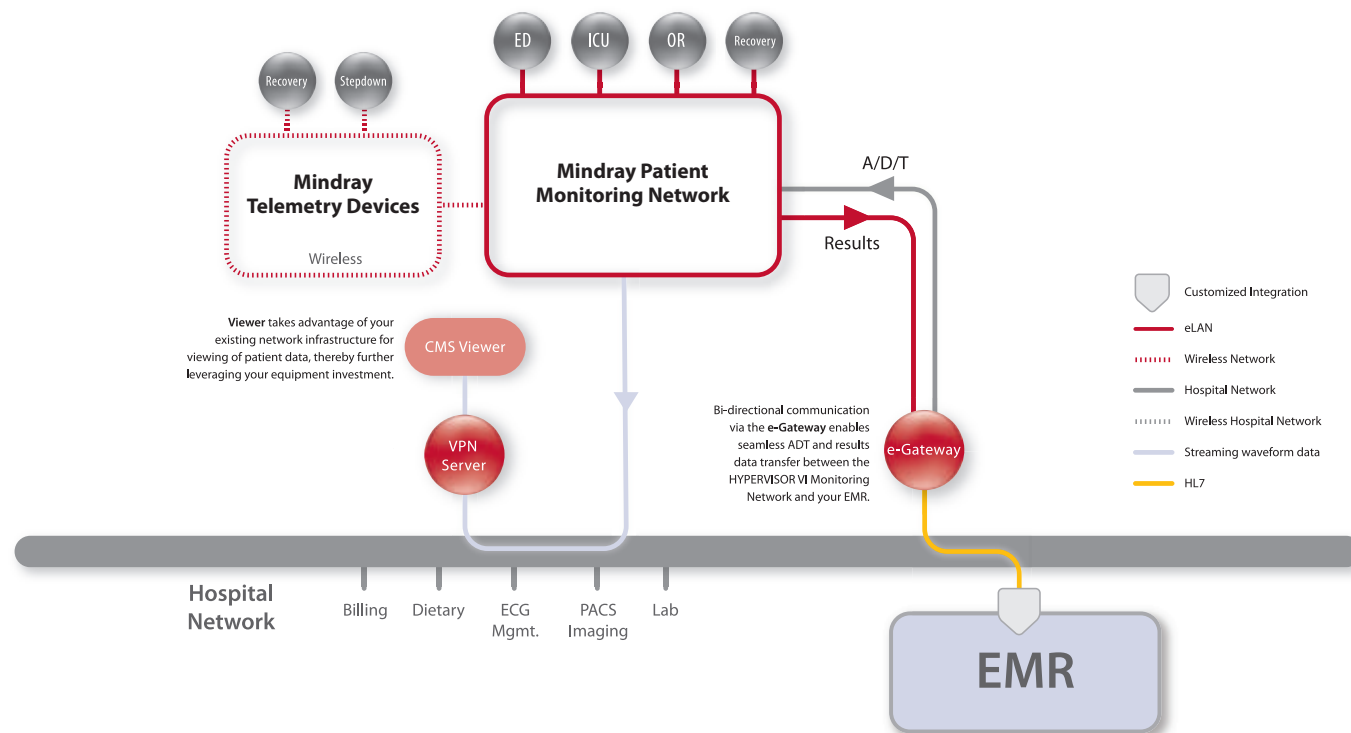
Seamless Integration to Hospital Information System

Mindray eGateway is an open interface which offers seamless integration of data from patient monitors to a Hospital Information System (HIS) or Clinical Information System (CIS). Complied with IHE standard, and with powerful Built-in Telescope Lens Cone interface engine, the eGateway automatically sends vital signs data at configurable intervals to

almost any charting system, saving nurse time, improving productivity and more time focusing on patients. Also eGateway is bi-directional, which enables patient monitor to query admission, discharge and transfer (ADT) data from HIS or CIS, eliminating errors associated with manual data entry.

Features

- Up to 7 channels of data outbound capability
- Provides outbound vital signs, alarms and inbound ADT capability on a single server
- Transfer parameters for 200 supported beds with one single server, and up to 600 supported beds with three servers
- Built-in Telescope Lens Cone interface engine that allows for HL7 mapping flexibility
- Enable Mindray network time synchronization to the hospital's network time server
- Configurable data collection interval
- Data from bedside devices, such as anesthesia machine and ventilator, collected by BeneView patient monitor through BeneLink module, can also be sent to HIS or CIS with eGateway
- Remote configuration and support via VPN access
- Anti-virus option (validated with Symantec® and McAfee®) available for hospital to install and maintain



Specifications

| | |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of beds | Up to 200 monitors with one gateway Up to 600 monitors with three gateways |
| HL7 Version | V2.6 |
| HL7 Engine | Built-in Telescope Lens Cone HL7 engine to map HL7 message format flexibly |
| Outbound | |
| Vital Signs | Maximum 4 independent channels Unsolicited mode: 30s, 1-5, 10, 15, 30, 45, 60 minutes data collection intervals Solicited client mode Solicited client / server mode More than 300 different parameters Send aperiodic parameters once or repeatedly Resend 0~3 times when ACK timeout IHE PCD DEC profile, PCD-01 transaction |
| Historical Data | Export up to 24 hours historical vital signs data into a network shared file |
| Alarms | Maximum 3 independent channels Resend 0 to 3 time(s) when ACK timeout IHE ACM profile, PCD-04 transaction |
| Patient Key | Combination of Patient ID, First Name, Last Name, Bed No, Device ID |
| Source of data | Mindray BeneView series, iPM series and PM series patient monitors VS-800 patient monitor, Mindray telemetry transmitter Third party bedside devices which can interface with BeneLink module |
| Inbound | |
| Patient Demographics | Receive ADT events and then store in local ADT Database ADT Database can store up to 6000 patients Update an associated device's Patient ID, First Name, Last Name, Date of Birth, and Gender with the current value discovered from the ADT database IHE PCD PIB profile, ITI-30 transaction Patient KeyCombination of Patient ID, First Name, Last Name |
| Hardware | |
| Processor | 4 x Intel Core i5 (650) 3.2GHz |
| Mother Board Chipset | Intel 5 series/3400 |
| Memory | 4G DDRIII 1333Hz |
| Hard Drive | 320G SATA |
| NIC Card | Intel Gigabit Network Connection |
| Operating System | Windows XP Professional SP3 |
| Power requirements | |
| Rated voltage range | 90 ~ 264 VAC |
| Frequency | 50 ~ 60 Hz |
| Physical specifications | |
| Height | 17.6 in (44.8 cm) |
| Width | 7.0 in (17.8 cm) |
| Depth | 17.5 in (44.5 cm) |
| Weight | 24.5 lb (11.2 kg) |
| Environmental specifications | |
| Storage conditions | |
| Temperature | -30 ~ 60 °C (-22 ~ 144 °F) |
| Relative humidity | 5% ~ 95% (non-condensing) |
| Operating conditions | |
| Temperature | 10 ~ 35 °C (50 ~ 95 °F) |
| Relative humidity | 10% ~ 90% (non-condensing) |

