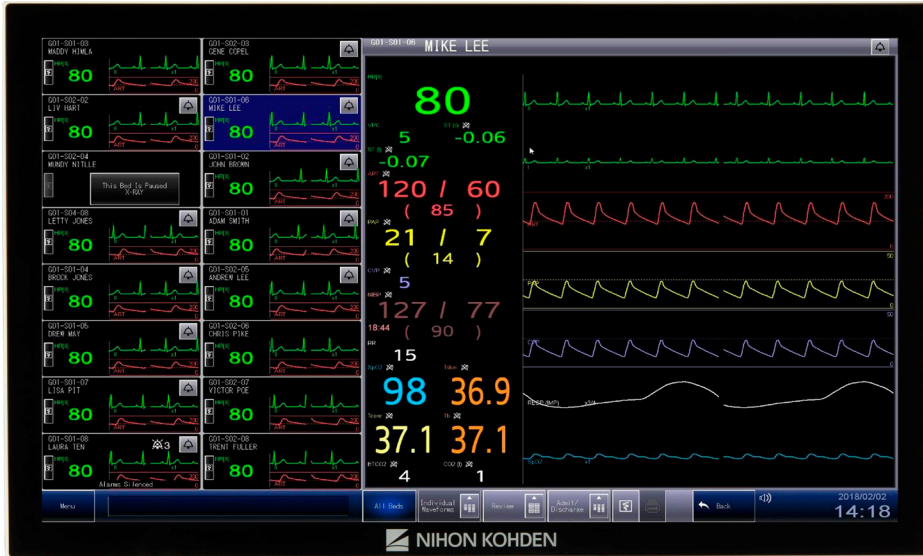# CNS-6801A

Reliable Central Monitoring designed for interoperability

SMART

- One admit, one discharge—patient data flows seamlessly and securely throughout the enterprise
- Comprehensive patient record with up to 15-minute data backfill in the event of wireless coverage loss
- "Drag and Drop" interface for improved user experience

SAFE

- Enterprise-wide central monitoring with comprehensive data storage and review
- Display of wandering and fall detection icons generated by wearable monitors
- True Flat 24" continuous glass surface display for easy cleaning and disinfecting

SECURE

- Embedded Microsoft Windows 10 secure operating system
- Comprehensive integration with hospital enterprise system
- Software upgrades and security updates included for the life of the equipment

NK-HiQ™ Wireless Patient Monitoring System

NIHON KOHDEN

Specifications
CNS-6801A

DISPLAY

Size/Type:	24" true flat LCD display with touch screen operation
Resolution:	1920 × 1200
Number of Patients:	Up to 32 with two displays. 4, 6, 8, 10, 12 or 16 patients per display, selectable
Waveform Display Items: (depends on the connected monitor/transmitter)	ECG (up to 12 vectors), IBP (1-8), respiration wave, pulse (SpO$_2$), EEG (1- 2), Flow/Paw, CO$_2$, external input, anesthetic gas (O$_2$, CO$_2$, N$_2$O, Agent)
Number of Traces, All Beds Screen:	Up to 24 total per display, number per patient is based on number of patients displayed. **16 patients**: 2 traces each, **12 patients**: 3 traces each, **10 patients**: 4 traces each, **8 patients**: 5 traces each, **6 patients**: 8 traces each, **4 patients**: 12 traces each, **2 patients**: 16 traces each
Number of Traces, Individual Bed Screen:	Up to 16
Waveform Sweep Speed:	25 mm/s, 50 mm/s, 6.25 mm/s (respiration measurement)
Alphanumeric Display Items: (depends on the connected monitor/transmitter)	Heart rate, pulse rate, VPC rate, respiration rate, ST level, IBP (systolic, diastolic, mean), SpO$_2$, CO$_2$, cardiac output, blood temperature, CCO, CCO<Tb>, CCI, NIBP (systolic, diastolic, mean), temperature, SvO$_2$, PiCCO, Flow/Paw, N$_2$O, O$_2$, Agent, BIS, tcPO$_2$, tcPCO$_2$, TV, MV, PEEP, others

ALARMS

Alarm Type:	Crisis, Warning, Advisory, Technical
Alarm Items: (depends on the connected monitor/transmitter)	**Vital signs:** heart rate, pulse rate, respiration rate, Apnea, ST level, IBP (systolic, diastolic, and mean), NIBP (systolic, diastolic, and mean), temperature, Delta T, Tb, SpO$_2$, SvO$_2$, CCO, ventilator, anesthetic gas, BIS, EtCO$_2$, FiCO$_2$, EtO$_2$, FiO$_2$, N$_2$O, O$_2$, tcPO$_2$, tcPCO$_2$, MV, Ppeak, PEEP
	Arrhythmia: Asystole, V.Fib, Ext. Tachycardia, Ext. Bradycardia, V. Tachy, Tachycardia, Bradycardia, VPC Run, Couplet, Early VPC, Multiform, Bigeminy, Freq. VPC, Prolonged
Alarm Display:	Alarm indicator with flashing bed frame, highlighted numerical display, and highlighted alarm message
Alarm Recording:	Automatic
Alarm Icon/ Arrhythmia Icon:	Available when vital sign, technical alarm, or arrhythmia occurs

For more information, please contact us at 1-800-325-0283 or visit us.nihonkohden.com

DATA STORAGE

Graphical Trend:	120 hours, all parameters
Tabular Trends:	120 hours, all parameters, minute-by-minute
Arrhythmia Recall:	1,500 events per bed with 8-second strip
Full Disclosure:	120 hours, 16 traces per bed
ST Level:	120 hours, minute-by-minute
Hemodynamic List:	256 files per bed
12-lead ECG Analysis Files:	200 files per bed
Event History:	10,000 events per bed, includes arrhythmia events, limit alarms, technical alarms, system alarms, caliper measurements, and comments

OVERVIEW

Displays user-selectable vital signs, up to 12 ECG waveforms, reviews, alarm events, and status messages associated with the selected overview bed. The overview bed can be any bed in the network that the CNS is not monitoring.

USER INTERFACE

Touch screen, mouse, keyboard, and wireless remote controller

THERMAL ARRAY RECORDER, WS-960P

Recording Method:	Thermal array recording
Number of Waveforms:	3
Paper Speed:	25 mm/sec
Type of Recording:	Manual, alarm, periodic, remote

NETWORK LASER PRINTER

HP LaserJet M602DN or equivalent (Postscript printer)

Number of Waveforms:	Up to 16
Type of Recording:	Manual, periodic

POWER REQUIREMENTS

Line/Battery Voltage:	AC 100 to 240 V, 50 or 60 Hz
Power Consumption:	180 VA or less

ENVIRONMENT

Operating Temperature:	10° to 40°C
Storage Temperature:	−20° to 65°C PU-681RA (−10° to 60°C)
Operating Humidity:	30 to 80 % RH
Storage Humidity:	10 to 95 % RH
Operating and Storage Pressure:	80 to 106 kPa

DIMENSIONS AND WEIGHT

PU-681RA Main Unit:	3.7" W x 13.2" H x 18" D, 20 lbs
RAP2423AMII LCD Unit:	22.9" W x 15.6" H x 6.9" D, 20.7 lbs
WS-960P Recorder:	3.2" W × 2.9" H × 6.7" D, 1.6 lbs