







High-Resolution Touch Screen



Bi-directional Communications with Central Monitoring System



Cable-Recieving Design

Discover the Edan X8/X10/X12, sophisticated and modern units designed to deliver extensive monitoring capabilities across diverse healthcare settings. The X Series showcases a high-resolution color display, offering crisp and detailed vital sign information for effortless interpretation.

Boasting a user-friendly interface, portability, and robust functionality, these patient monitors stand as indispensable tools in contemporary healthcare facilities. Elevate patient safety and enhance overall clinical outcomes with the advanced technology of the X Series patient monitors.

Features:

- 240 Hour trend review
- 1200 NIBP measurements
- 120 Seconds frozen waveform
- Accessories for all patient types
- User-friendly interface for easy operation
- Comprehensive connectivity options for easy data transfer
- High-precision vital signs monitoring with extensive data storage
- G2 CO2 water traps can be used with male luer-lock cannula
- Advanced patient monitoring algorithm with alerts and notifications

Standard Parameters: 3/5 lead ECG, HR, RESP, SpO2, NIBP, PR, 2-Temp **Standard Features:** Touch screen, WiFi, USB, VGA Output, 8GB internal memory, IBP slots **Optional Configurations & Features:** 6/12 lead ECG, G2 CO2, Cardiac Output (X12), Thermal Recorder, Nurse Call (with CMS), Defibrillator Synchronization



What's the Difference?

X8 Patient Monitor

- Optional CO2
- 🥑 8" Touch Screen
- Optional Dual IBP Slots
- 🗸 WiFi
- 🗴 Optional Cardiac Output

X10 Patient Monitor

- Optional CO2
- 10" Touch Screen
- ✓ Optional Dual IBP Slots
- 🗸 WiFi
- 🗴 Optional Cardiac Output

X12 Patient Monitor

- Optional CO2
- 12" Touch Screen
- Optional Dual IBP Slots
- 🗸 WiFi
- Optional Cardiac Output









Proprietary Algorithms & Technologies

G2 CO2 (sidestream)

- Superior water trap design for accurate monitoring
- iCARB[™] algorithm with intelligent CO2 pseudo wave identification technology
- Sampling rate as low as 50ml/min

ECG

- 12-lead ST analysis optional with additional internal module upgrade
- Automatic lead type detection
- Industry leading iSEAP[™] algorithm with auto-detection of 33 types of arrhythmias
- SEMIP® algorithm with 208 ECG findings over age/gender diversities

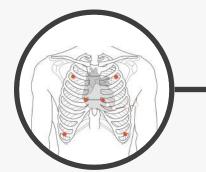
NIBP

- Dual dust filter design means no blockage inside and provides accurate NIBP readings
- Unique cleaning mode for routine maintenance
- iCUFS[™] algorithm with smart deflation technology



SpO2

- iMAT algorithm with motion resistance and low perfusion resistance performance
- Reference reading of Perfusion Index (PI) from 0 to 10 according to perfusion changes
- Simultaneous measurements of SpO2 and NIBP of the same limb



Configurations

X8

Standard Configuration with WiFi & Touch Screen

X8-G2

Standard Configuration with Internal Sidestream CO2. Uses traditional water traps & generic cannulas

X8.P

Standard Configuration with WiFi, Touch Screen & Built-in Thermal Printer

X8-G2.P

Standard Configuration with Internal Sidestream CO2, WiFi, Touch Screen & Built-in Thermal Printer

X12 Standard Configuration with WiFi & Touch Screen

X12.CO Standard Configuration with WiFi, Touch Screen & Cardiac Output

X12-G2 Standard Configuration with Internal Sidestream CO2, WiFi & Touch Screen

X10

Standard Configuration with WiFi & Touch Screen

X10-G2

Standard Configuration with Internal Sidestream CO2. Uses traditional water traps & generic cannulas

X10.P

Standard Configuration with WiFi, Touch Screen & Built-in Thermal Printer

X10-G2.P

Standard Configuration with Internal Sidestream CO2, WiFi, Touch Screen & Built-in Thermal Printer

X12.P

Standard Configuration with WiFi, Touch Screen & Built-in Thermal Printer

X12.CO.P

Standard Configuration with WiFi, Touch Screen, Cardiac Output & Built-in Thermal Printer

X12-G2.P

Standard Configuration with Internal Sidestream CO2, WiFi, Touch Screen & Built-in Thermal Printer

Included Accessories

STANDARD ACCESSORIES

- ECG cable, 3-lead, snap, AHA, 3.4m
 01.57.471388
- SpO2 Finger Sensor, Adult, 2.5m, reusable - direct connect 7 pin
 — 02.57.225029
- NIBP Cuff, Adult, 27cm-35cm, reusable
 Cuff.E9
- NIBP Tube 01.59.473007
- Adult skin temperature probe
 01.15.040225
- Rechargeable Lithium-Ion Battery (10.8V, 2550mAh) — 01.21.064380

G2 ACCESSORIES

- Water Trap 02.01.210520
- Disposable CO2 Sampling line with male luer lock 4410-10-25
- Adult Nasal CO2 sampling cannula
 4000 7 25
- 4000-7-25

Optional Accessories

SPO2 SENSORS

- SpO2 Finger Sensor, Adult, 2.5m, reusable SH1.DB9
- SpO2 Wrap Sensor, Neonate, 1m, reusable SH3.DB9
- SpO2 Silicone Soft-tip Sensor, Adult, 1m, reusable SH4.DB9
- SpO2 Silicone Soft-tip Sensor, Pediatric, 1m, reusable SH5.DB9
- SpO2 Ear Clip Sensor, Adult/Pediatric, 1m, reusable SH6.DB9
- SpO2 7-pin Extension Cable, 2m 01.57.471068
- SpO2 7-pin Extension Cable, 4m 01.57.471789

CUFFS

- NIBP Cuff, Infant, 10-15cm, reusable *Cuff.E5*
- NIBP Cuff, Small Child, 13-17cm, reusable Cuff.E6
- NIBP Cuff, Child, 16-21cm, reusable Cuff.E7
- NIBP Cuff, Small Adult, 20.5-28cm, reusable Cuff.E8
- NIBP Cuff, Adult, 27cm-35cm, reusable Cuff.E9
- NIBP Cuff, Large Adult, 34cm-43cm, reusable Cuff.E10
- NIBP Thigh Cuff, Adult, 42cm-54cm, reusable Cuff.E11

NIBP TUBING

NIBP Tube (3m) with connector — 01.59.473007

Specifications

PHYSICAL SPECIFICATION X8 Dimensions 236 mm(W)×236 mm (H)×147 mm (D) Weight: approx. < 2.4 kg X10 Dimensions: 261 mm (W)×246 mm (H)×146 mm (D) Weight: approx. < 2.8 kg X12 Dimensions: 306 mm (W)×309 mm (H)×151 mm (D) Weight: approx. < 3.5 kg DISPLAY Х8 Color TFT LCD: 8" Resolution: 800x600 Waveforms Displayed: Up to 13 X10 Color TFT LCD: 10" Resolution: 800x600 Waveforms Displayed: Up to 13 X12 Color TET I CD. 12" Resolution: 800x600 Waveforms Displayed: Up to 13 ECG Lead Mode: 3 Electrodes: I, II, III 5 Electrodes: I, II, III, aVR, aVL, aVF, V 6 Electrodes: I, II, III, aVR, aVL, aVF, and leads corresponding to Va Vb. 10 Electrodes: I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6 Śweep Speed: 6.25 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s CMRR: Diagnosis: > 95 dB Diagnosis 1: > 105 dB (when Notch is turned on) Notch is turned on) Monitor: > 105 dB Surgery: > 105 dB Enhanced: > 105 dB Customized: > 105 dB (Low-pass Filter < 40Hz) >95 dB (Low-pass Filter > 40 Hz) Sampling Frequency 1000 Hz Sampling Frequency: 1000 Hz Range: ADU: 15 bpm to 300 bpm PED/NEO: 15 bpm to 350 bpm Accuracy: ±1% or 1 bpm Resolution: 1 bpm Sensitivity: 300 VPP SPO2 Measuring Range: 0% to 100% Resolution: 1% Data Update Period: 1 s Accuracy: Adult /Pediatric 2% (70% to 100% SpO2) Undefined: (0% to 69% SpO2) Undefined: (0% to 69% SpO2) Neonate: 3% (70% to 100% SpO2) Undefined: (0% to 69% SpO2) Sensor:

Red Light (660+/-3) nm I Infrared Light (905+/-10) nm Emitted Light Energy: < 15 mW

Measuring Range: 0-10, invalid PI value is 0. Resolution: 1

RESP Method:

Impedance between RA-LL, RA-LA Measurement lead: Options are lead I and II. The default is Lead II. Calculation Type: Manual, Automatic Baseline Impedance Range: 200 to 2500 (with ECG cables of 1 K resistance)

Measuring Sensitivity: Within the baseline impedance range: 0.3 Waveform Band width: 0.2 Hz to 2.5 Hz (-3 dB) Respiration Excitation Waveform: Sinusoid, 45.6 HHz (10%), < 350 A RR Measuring Range Adult: 0 rpm to 120 rpm Neo/Ped: 0 rpm to 150 rpm Resolution: 1 rpm Accuracy: Accuracy: Adult: 6 rpm to 120 rpm: 2 rpm 0 rpm to 5 rpm: not specified Neo/Ped6 rpm to 150 rpm: 2 rpm 0 rpm to 5 rpm: not specified Gain Selection: 0.25, 0.5, 1, 2, 3, 4, 5 Sweep: 6.25 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s No RR Detected Delay: Do 15 c 20 c 25 c 30 c 35 c 40 c; 10 s, 15 s, 20 s, 25 s, 30 s, 35 s, 40 s; default value is 20 s.

TEMP

Technique: Thermal resistance Position: Skin, oral cavity, rectum Measure Parameter: T1, T2, TD(the absolute value of T2 minus T1) 12 minus 11) Channel: 2 Sensor Type: YSI-10K and YSI-2.252K Unit: °C,°F Measuring Range: 0 °C to 50 °C (32 °F to 122°F) Resolution: 0.1 °C (0.1 °F) Accuracy: 0.3 °C Refresh Time: Every 1 s to 2 s Temperature Calibration: At an interval of 5 to 10 minutes Measuring Mode: Direct Mode Measuring Mode: Direct Mode Transient Response Time: 30 s

NIBP

Technique: Oscillometry Mode: Manual, Auto, Continuous, Sequence Measuring Interval in AUTO Mode (unit: minutes):1/2/3/4/5/10/15/30 /60/90/120/180/240/360/480 and User Define Continuous: 5 min, interval is 5 s Measuring Parameter: SYS, DIA, MAP, PR Pressure Unit: kPa, mmHg, cmH2O Measuring Range: Range: Adult Mode: SYS: 25 mmHg to 290 mmHg DIA: 10 mmHg to 250 mmHg MAP: 15 mmHg to 260 mmHg Pediatric Mode SYS: 25 mmHg to 240 mmHg DIA: 10 mmHg to 200 mmHg MAP: 15 mmHg to 215 mmHg *Neonatal Mode*: Neonatal Mode: SYS: 25 mmHg to 140 mmHg DIA: 10 mmHg to 15 mmHg MAP: 15 mmHg to 125 mmg Alarm Type: SYS, DIA, MAP, PR (NIBP) Cuff Pressure Measuring Range: 0 mmPlaste 200 mmPlas 0 mmHg to 300 mmHg Pressure Resolution: 1 mmHg Maximum Mean Error: ±5 mmHg Maximum Standard Deviation: 8 mmHg Maximum Measuring Period: Adult/Pediatric: 120 s Neonate: 90 s Typical Measuring Period: 20 s to 35 s (depend on HR/motion disturbance)

IBP

Complies with IEC 60601-2-34: 2011. Technique Direct invasive measurement Iechnique Direct invasive measureme Channel 2 channels Measuring Range Art (0 to +300) mmHg PA/PAWP (-6 to +120) mmHg CVP/RAP/LAP/ICP (-10 to +40) mmHg P1/P2 (-50 to +300) mmHg Resolution 1 mmHg Accuracy (not including consor) + 2 % Accuracy (not including sensor) ± 2 % or ±1 mmHg, whichever is greater ICP: 0 mmHg to 40 mmHg: ± 2 % or ±1 mmHg, whichever is greater; -10 mmHg to -1 mmHg: undefined

Range: 300 to 3000 Filter DC~ 12.5 Hz; DC~ 40 Hz Zero Range: ± 200 mmHg Pressure Calibration Range IBP (excluding ICP) 80 mmHg to 300 mmHg ICP 10 mmHg to 40 mmHg Volume Displacement: 17.4 x 104 mm3 / 100 mmHg CO₂ Complies with ISO 80601-2-55: 2011. Intended Patient: Adult, pediatric, neonatal Measure Parameters: EtCO2, FiCO2, AwRR Unit: mmHg, %, kPa Measuring Range EtCO2 0 mmHg to 150 mmHg (0 % to 20%) FiCO2 0 mmHg to 50 mmHg AwRR 2 rpm to 150 rpm Resolution EtCO2 1 mmHg FiCO2 1 mmHg Accuracy EtCO2: ± 2 mmHg, 0 mmHg to 40 mmHg Typical conditions: Ambient temperature: (25 ± 3) °C Barometric pressure: (760 ± 10) mmHg Balance gas: N2 Sample gas flowrate: 100 ml/min ± 5% of reading, 41 mmHg to 70 mmHg ± 8% of reading, 71 mmHg to 100 mmHg ± 10% of reading, 101 mmHg to 150 mmHg ± 12% of reading or ± 4 mmHg AwRR ± 1 rpm Sample Gas Flowrate 70 ml/min 0 100 ml/min (default), accuracy: ±15 ml/min Warm-upTime Display reading within 20 s; reach to the Warm-up1ime Display reading within 20 s; reach to the designed accuracy within 2 minutes. Rise Time < 400 ms (with 2 m gas sampling tube, sample gas flowrate: 100 ml/min) < 500 ms (with 2 m gas sampling tube, sample gas flowrate: 70 ml/min) Response Time < 4 s (with 2 m gas sampling tube, sample gas flowrate: 100 ml/min/70 ml/min) Work Mode Standby (default), measure 02 Compensation Range: 0% to 100% Resolution: 1% Default: 16% N20 Compensation Range: 0% to 100% Resolution: 1% Default: 0% AG Compensation Range: 0% to 20% Resolution: 0.1% Default: 0% Humidity Compensation Method ATPD (default), BTPS Barometric Pressure Compensation Automatic (The change of barometric pressure will not add additional errors to the measurement values) Zero Calibration Support: Calibration Support (It is recommend to be operated by trained personal.) Alarm: EtCÓ2, FiCO2, AwRR No RR Detected Delay: 10 s, 15 s, 20 s, 25 s, 30 s, 35 s, 40 s; default value is 20 s. Data Sample Rate: 100 Hz EtCO2 Changel AwRR 80 rpm, meet the accuracy AwRR 80 rpm, meet the accuracy mentioned above; AwRR > 80 rpm, EtCO2 descends 8%; AwRR > 120 rpm, EtCO2 descends 10%; with 2 m gas sampling tube, sample gas flowrate: 100 ml/min) AwRR > 60 rpm, meet the accuracy mentioned above; AwRR > 60 rpm, EtCO2 descends 8%; AwRR > 120 rpm, EtCO2 descends 10%; AwRR > 120 rpm, EtCO2 descends 15%; AwRR > 120 rpm, EtCO2 descends 15%; AwRR > 120 rpm, EtCO2 descends 15%;

Pressure Unit kPa, mmHg, cmH2O

Impedance

Pressure sensor Sensitivity 5 V/V/mmHg

with 2 m gas sampling tube, sample gas flowrate: 70 ml/min