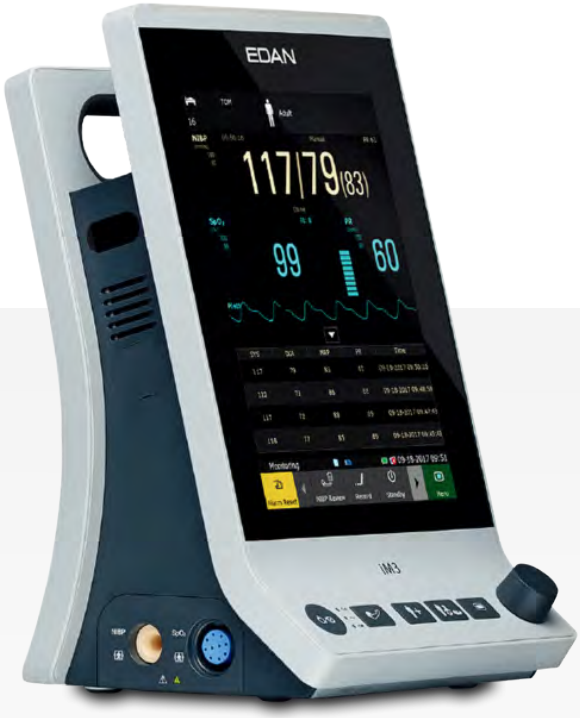
EDANUSA by MDPRO

iM3

Vital Signs Monitor



Lightweight, Ultra Slim Design

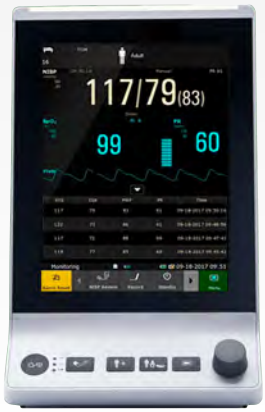
8” Color TFT Touch Screen

Built-in WiFi

4204 Jutland Drive, Suite A, San Diego, CA 92117
888 850 4597

The Edan iM3 Vital Signs Monitor features cutting-edge technology for monitoring vital signs. Engineered to enhance daily usability, its internal WiFi capabilities, streamlined data storage, and review make it our most user-friendly vital signs monitor.

Features:

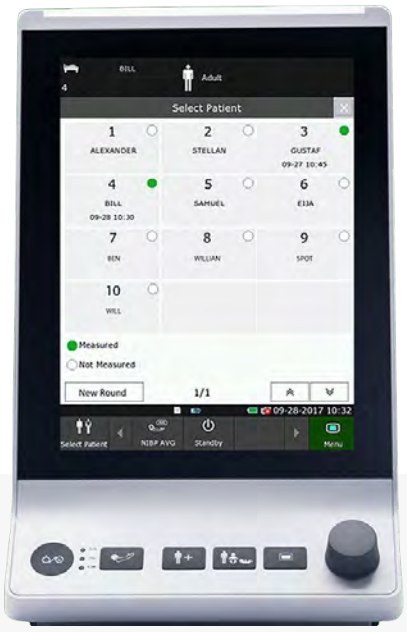


- Supports hard key and knob operation
- Unique cable-receiving design
- Continuous Monitoring / Spot / Round Modes
- MEWS/EWS/NEWS score system
- Integrates with Point Click Care with VitalsXChange
- Integrates with Health o meter® Professional Scales

Standard Parameters: SpO2, NIBP, PR
Optional Parameters: Nellcor OxiMaxTM SpO2, SunTech NIBP, Covidien Oral Temp, Infrared Ear Temp, Quick Oral Temp, Non-Contact Temp, & Exergen Temporal Temp

Innovative Design

- Portable design
- Proprietary Round Mode made for fast paced environments
- Barcode scanner support
- USB, OTG, LAN, & DCHP
- Built in Wi-Fi
- 360 Degree alarm light



1200	120 HR	16 Million	200
NIBP Measurements	Trend Review	Measurements (Spot & Round Mode)	Alarm

TEMP Modules

Infrared Ear Temp
iM3_NST

Quick Oral Temp
iM3_NST.O

Covidien Oral Temp
iM3_NST.C

Non-Contact Temp
iM3_NST.HTD

Exergen Temporal Temp
iM3_NST.E

Adaptive Work Modes

Round Mode

- Designed to make daily use more efficient
- Easily upload data through WiFi to your EMR
- Features color-coded list
- Preset and save resident names and room numbers
- Up to 1,000 names can be added at once

Monitoring Mode

- Designed for continuous patient monitoring
- Real-time data, alarms, and trends

Spot Mode

- Designed for spot-check applications
- Real-time vitals

Configurations

Standard – iM3_NS

- EDAN SpO2, EDAN NIBP
- Touch screen, battery, WiFi, USB interface, nurse call/OTG interface, MEWS/EWS/NEWS

Optional

- SpO2 Nellcor SpO2, Suntech NIBP, T2A Quick Temp, F3000 Quick Temp, TH Ear Temp, Exergen Temporal Temp, & Non-Contact Temp
- Recorder & internal barcode scanner

Accessories

STANDARD
- SPO2 Finger Sensor, Adult, 1m, reusable, DB9 — ***SH1.D89***
- Adult Cuff (27cm-35cm) — ***Cuff.E9***
- NIBP Tube (3m) with connector — ***01.59.473007***
- Power Cord (USA Standard) — ***01.13.036638***
- Rechargeable Lithium-ion Battery — ***02.21.064365***
- Potential Equalization Conductor — ***11.13.114214***
- SPO2 7-PIN Extension Cable, 2m — ***01.57.471068***

NST ACCESSORIES
- Infrared Ear Temperature Probe Covers (200/Box) — ***11.57.208058***
- Infrared Ear Temperature Probe Cover Dispenser — ***11.57.208059***
- Infrared Ear Thermometer — ***01.57.208057***
- Thermometer Communication Cable — ***01.13.036415***

NST.O ACCESSORIES
- Disposable Temp Probe Covers (250 Covers/ 25/Box) — ***01.57.471871***
- Edan Oral Temp Kit — ***02.04.241063***
- Edan Oral Probe — ***02.04.110140***

NST.E ACCESSORIES
- Thermometer Cover — ***01.57.472040***
- Probe Caps — ***01.57.472039***
- TAT5000S Infrared Forehead Scanner — ***124225-AC-QR***

NST.C ACCESSORIES
- Covidien Oral Temp Probe Covers (200 Covers) — ***502000***
- Covidian Oral Temp Kit — ***02.04.241063***
- Covidian Oral Probe — ***01.57.471312***

NST.HTD ACCESSORIES
- Infrared Body Thermometer — ***01.57.472185***
- Temperature Isolation Chamber — ***02.01.217371***

Optional Accessories

SPO2 SENSORS
- Adult Hard-Shell SpO2 Finger Sensor (DB9) — ***SH1.DB9***
- Silicone Wrap SpO2 Finger Sensor (DB9) — ***SH3.DB9***
- Adult “Hood” Soft-tip SpO2 Finger Sensor (DB9) — ***SH4.DB9***
- Adult/Pediatric Ear Clip SpO2 Sensor (DB9) — ***SH6.DB9***

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***

TROLLEY
- Center Pole Trolley (roll stand) with basket and locking casters (23lbs, 31x24x9) — ***MT-207_plate_iM3***

Specifications

PHYSICAL SPECIFICATION
Device Dimension:
159mm (W) × 262mm (H) × 166mm (D) Weight:
approx. < 2.5 kg

DISPLAY
Color TFT LCD: 8”
Resolution: 800x600
POWER SUPPLY
100 V-240 V~, 50 Hz/60 Hz
Current: 0.7 A-0.35 A; Fuse: T2.5AH, 250VAC

BATTERY 1
Battery Type: Rechargeable Lithium-ion
Capacitance: ≥ 2400 mAh
Operating Time: ≥3.5 hrs
Fast Changing Time: ≤3 hrs
Charging Time: Monitor on: ≤10 hrs

BATTERY 2
Capacitance: ≥ 4800 mAh
Operating Time: ≥10 hrs
Fast Changing Time: ≤6 hrs
Charging Time: Monitor on: ≤20 hrs

DATA STORAGE
Monitor Mode:
Trend Graph: 1hr, 1s resolution Table: 120 hrs, 1m resolution Alarm/ Monitoring
Event Data: Up to 200 sets
NIBP Review: 1200 sets
Round Mode:
Round Record: Up to 800K sets SpO2: ≤20 sets for single patient NIBP: ≤20 sets for single patient TEMP: ≤20 sets
Spot Checking Mode:
Storage data maximally contains 16 million sets of spot-check-ing data for
multiple patients

RECORDER
Record Width: 49 mm~50 mm.
Paper Speed: 12.5 mm/s, 25 mm/s, 50 mm/s
Trace: 1
Recording types:
Continual real-time recording 8 seconds real-time recording
Recording manually Physiological Alarm recording Trend graph recording
Trend table recording
NIBP review recording
Alarm review recording
NIBP auto triggered recording

WIFI
IEEE: 802.11 B/G/N
Frequency Band: 2.4 GHz ISM Band

E-LINK BLUETOOTH
Trasmt Frequency: 2402 ~ 2480MHz Frequency Band: 2402 ~ 2480MHz Modulation: FHSS, GFSK,
DPSK, DQPSK

INTERFACE & OTHERS
USB Port: 1
Micro USB Port: 1
Network Interface: 1
Nurse Call: Micro USB Port
Built-in Barcode Scanner: Optional

NIBP
Technique: Oscillometry
Mode: Manual, Auto, Continuous,
Measuring Interval in AUTO Med {Unit: minutes}: 1/2/3/4/5/10/15/30 60/90/120/180/240/360/480
Continuous 5 min interval in 5 s measuring parameter: SYS, DIA, MAP, Measuring Range
Adult Mode:
SYS: 25 mmHg to 290 mmHg
DIA: 10mmHg 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
Neonate Mode:
SYS: 25 mmHg to 140 mmHg
DIA: 10 mmHg to 115 mmHg
MAP: 15 mmHg to 125 mmg
Alarm Type: SYS, DIA, MAP, PR (NIBP)
Cuff Pressure Measuring Range:
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)
Overpressure Protection:
Adult: 297 mmHg±3 mmHg
Pediatric: 245 mmHg±3 mmHg
Neonatal: 147 mmHg±3 mmHg

PR
Measuring Range: 40 bpm to 240 bpm
Accuracy: ≥ 3 bpm or 3.5%, whichever is greater

TEMP (T2A Module: Oral Temp)
Measuring Range:
Monitor Mode: 25 C~45 C
Predict Mode: 35.5 C~42 C
Sensor Type: Oral/Axillary/Rectal
Accuracy: ±3 bpm (20 bpm to 250 bpm)
Resolution: 0.1 C
Accuracy: Monitor Mode: ±0.1 C (25~45C)
Response Time: < 60 s
Time for predicting: < 30 s
Monitor Mode: ±0.1 C (25 C~45 C)
Measuring Mode: Direct Mode/Adjusted Mode

TEMP (TH Module: Infared Ear Temp)
Measuring Range: 34 C~42.2 C
Resolution: 0.1 C
Response Time: 1 s
Clinical Accuracy: ±0.2 C (0.4 F) (35.5 C~42 C) (95 F~107.6 F) ±0.3 C (0.5 F)
(out of the range mentioned above)
Laboratory Accuracy: ±0.2 C

TEMP (F3000 Module: Coviden Oral Temp)
Measuring Range: 30 C~43 C
Prediction Measurement: 35 C~43 C
Color Mode Prediction: 35 C~43 C
Sensor Type: Oral/Axillary/Rectal Resolution: 0.1 C
Accuracy: Monitor/ Predictive Mode: ±0.1 C Quick Predictive Mode: ±0.3 C
Typical Measurement:
Oral:
Quick Predictive Mode):
(3~5) s (non-fever temps);
(8~10) s (fever temps)
Rectal:
(10-14 s)
Monitoring mode (all sites): (60-120 s)

SPO2
Measuring Range: 0% to 100%
Resolution: 1%
Data updtate period: 1 s
Accuracy:
Adult/ Pediatric: ±2% (70% to 100% SpO2
Undefined (0% to 69% SpO2)
Neonate: ±3% (70% to 100% SpO2
Undefined (0% to 69% SpO2)
Measuring Range: 0-10
PI:
Resolution: 1
Pulse Rate:
Measuring Range: 25 - 300 bpm
Resolution: 1 bpm
Accuracy: ≥2 bpm

TAT5000S
Clinical Accuracy ± 0.2 °F or 0.1 °C
Per ASTM E1112
Temperature Range 61 °F to 110 °F (16 °C to 43 °C)
(16 °C rounded up from 15.5 °C)
Arterial Heat Balance Range for Body Temperature
94 °F to 110 °F (34.5 °C to 43 °C)
Operating environment 60°F to 104°F (16°F to 40 °C)
Storage conditions -4 °F to 122 °F (-20 °C to 50 °C)
Resolution 0.1 °C or 0.1 °F
Responce time: 0.04 seconds
Time Displayed On Screen 30 seconds
Clinical perfomance {versus oral thermometry} per ISO
80601-2-56
Clinical Bias: 0.52 °C
Limits of Agreement: 1.24
Clinical Repeatability: 0.13
Clinical perfomance {versus rectal thermometry} per ISO
80601-2-56
Clinical Bias: 0.02 - 0.07 °C
Limits of Agreement: 0.87 - 1.15
Clinical Repeatability: 0.13

HTD8808C
Operating mode Adjusted mode (body mode)
Direct mode (surface mode)
Reference body site Axillary
Rated output range Body mode:
34.0 °C - 43.0 °C (93.2 °F -109.4 °F)
Surface mode: 0 °C – 100 °C (32 °F – 212 °F)
Out Range Body mode:
34.0 °C - 43.0 °C (93.2 °F-109.4 °F)
Surface mode: 0 °C - 100.0 °C (32 °F -212 °F)
Laboratory Accuracy Body mode:
34.0 °C-34.9 °C: ±0.3 °C (93.2 °F-94.8 °F: ±0.5 °F);
35.0 °C-42.0 °C: ±0.2 °C (95.0 °F-107.6 °F: ±0.4 °F);
42.1 °C-43.0 °C:±0.3 °C (107.8 °F-109.4 °F: ±0.5 °F);
Surface mode:±2°C (±3.6 °F)
Display Resolution 0.1 °C or 0.1 °F
Auto Power Off Time ≤ 18 s
Measuring Time ≤ 2 s
Measuring distance 0.1 cm-15 cm
Operating temperature 15 °C-40 °C (59 °F-104 °F)
Storage temperature -20 °C-55 °C (-4 °F-131 °F)
Clinical bias -0.027
Limits of Agreement 0.26
Clinical Repeatability 0.07
TD-1261