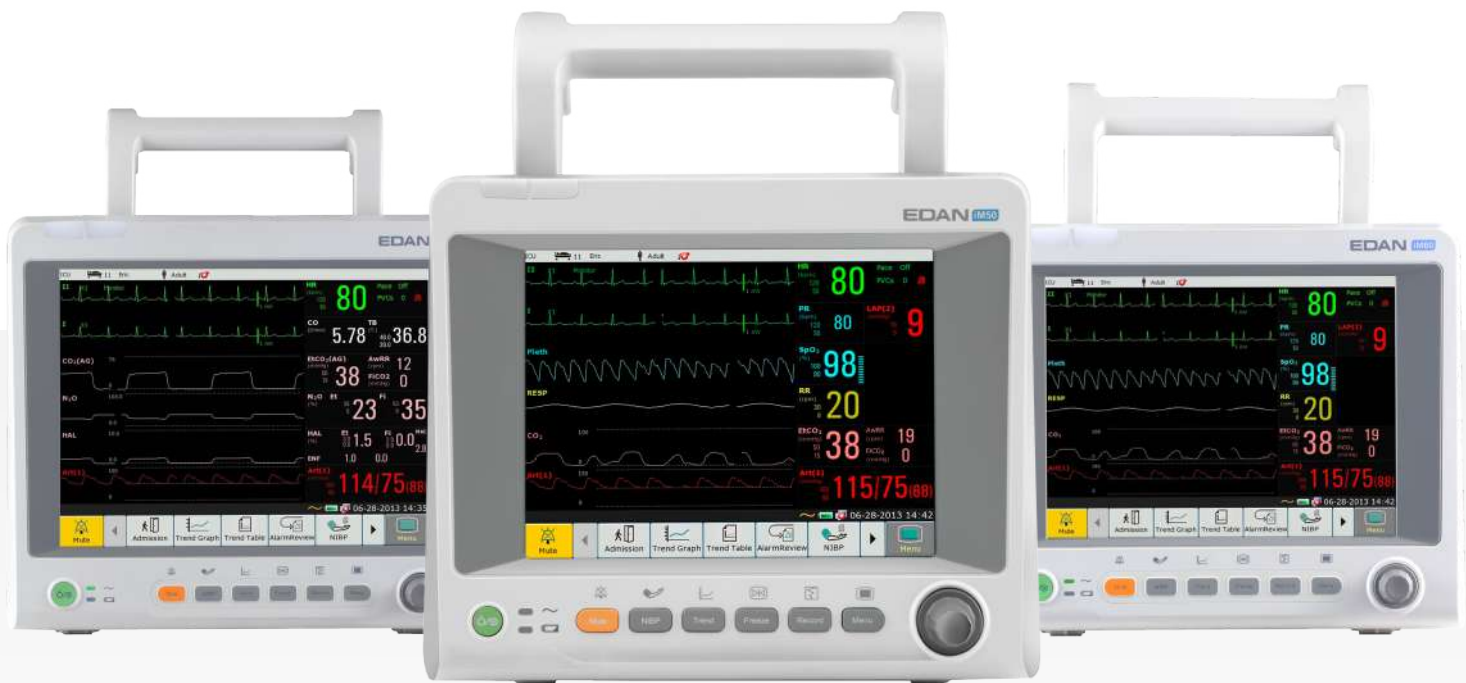
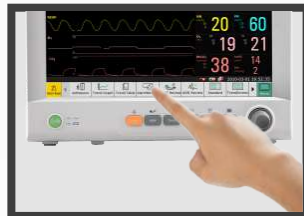


# iM SERIES

iM50, iM60, iM70, & iM80 Patient Monitors



Central Monitoring System Supportive



Intuitive Shortcut Menu



Multiple Display Modes

The iM series offers a comprehensive array of parameters, spanning from invasive blood pressure to cardiac output, and from capnography to anesthesia gas. This versatility allows it to meet the diverse clinical needs across various settings, ranging from general wards to cardiac units, and from intensive care units to operating theaters.

Additionally, the iM series features multiple gas modules such as the Edan G2 CO2, Respiration CO2, and five agent gas modules, further enhancing its capabilities.

## Features:

- Customizable alarms & shortcut menus
- Multiple mounting options such as bedrail hooks, wall mount, or rolling stand for increased mobility
- Arrhythmia, S-T Analysis, OxyCRG, & Large Font Display
- 120 Seconds full-disclosure waveforms review
- 120 Hour graphic and tabular trends of all parameters
- **iSEAP™ ECG:** Optimized for arrhythmia detection, pacemaker detection, & HR measurement
- **iMAT™ SpO2:** Outstanding motion resistance & low perfusion resistance performance
- **iCUFS™ NIBP:** Optimized for cardiac patients, hypertensive patients, & neonatal patients

### Standard Parameters:

3/5-lead ECG, RESP, NIBP, Edan SpO2, 2-TEMP, PR, HR



# What's the Difference?

## iM50 Patient Monitor – 8.4” Screen

- ✓ Optional CO2
- ✓ Optional Touch Screen
- ✓ Dual IBP Slots
- ✓ Optional WiFi
- ✗ Optional Multi-Gas
- ✗ Optional Cardiac Output

## iM60 Patient Monitor – 10.4” Screen

- ✓ Optional CO2
- ✓ Optional Touch Screen
- ✓ Dual IBP Slots
- ✓ Built-in WiFi
- ✗ Optional Multi-Gas
- ✗ Optional Cardiac Output

## iM70 Patient Monitor – 12” Screen

- ✓ Optional CO2
- ✓ Optional Touch Screen
- ✓ Dual IBP Slots
- ✓ Built-in WiFi
- ✓ Optional Multi-Gas
- ✓ Optional Cardiac Output
- ✓ Optional 12-Lead ECG

## iM80 Patient Monitor – 15” Screen

- ✓ Optional CO2
- ✓ Optional Touch Screen
- ✓ Dual IBP Slots
- ✗ Optional WiFi
- ✓ Optional Multi-Gas
- ✓ Optional Cardiac Output
- ✓ Optional 12-Lead ECG





No-fan Design



Night Mode



Pitch Tone



Thermal Recorder



Shortcut Menu

## End Tidal Carbon Dioxide Monitoring



### EDAN G2 CO2 (Sidestream)

Superior water trap design for accurate monitoring  
iCARB™ algorithm with Intelligent CO2 pseudo wave identification technology

### Respironics CO2 (Mainstream/Sidestream)

Plug & play module design  
Utilizes sampling lines with dehumidification tubing  
Low sampling rate of 50ml/min

## Multigas Module (iM80)



### Dräger Anesthetic Gas/O2 (Sidestream)

Built-in sidestream module with optional paramagnetic O2  
Single channel module or dual channel module with AAID  
Utilizes disposable Dräger water traps

### 5 Anesthetic Agents:

Halothane (HAL), Isoflurane (ISO), Enflurane (ENF), Sevoflurane (SEV), Desflurane (DES)

## Included Accessories

- Skin Temperature Probe — **01.15.040187**
- EDAN Adult Reusable SpO2 Sensor — **SH1.Lemo**
- Adult Cuff (25cm-35cm) — **Cuff.E9**
- NIBP Tube (3m) with connector — **01.59.036118-11**
- 3-lead ECG integrative Cable with Lead wires, Snap (AHA) — **01.57.471095-10**
- Rechargeable Lithium-Ion Battery (14.8V, 4200mAh) — **01.21.064143**
- Power Cord — **01.13.036106**

### G2 ACCESSORIES

- Edan Dewatering Cups for G2 CO2 — **02.01.210520**
- ETCO2 Sampling Cannulas, Adult cannula with 7' CO2 line. Male Luer-Lock Connector — **4000-7-25**
- ETCO 2 Sampling Lines 10' (Male to Female) — **4410-10-25**

## Optional Accessories

### SPO2 SENSORS & CABLE

- 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**
- Extension Cable (2m, lemo to DB9) — **01.13.210001-13**

### 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 — **01.59.036118-11**

### ROLLING STAND

- iM50 — **MT-207\_plate\_im50**
- iM60 — **MT-207\_plate\_im60**
- iM70 — **MT-207\_plate\_im70**
- iM80 — **MT-207\_plate\_im80**

### WALL MOUNT

- **IM.WM**

### PAPER (Sold in Packs of 20)

- **01.57.78035**

# Specifications

## PHYSICAL SPECIFICATION

- iM50:**  
261 mm (L) × 198 mm (W) × 215 mm (H)  
Weight: <3.6 kg
- iM60:**  
303mm(L) × 161mm(W) × 254mm(H)  
Weight: <5 kg
- iM70:**  
328mm(L) × 158mm(W) × 285mm(H)  
Weight: <5.5 kg
- iM80:**  
370 mm (L) × 175 mm (W) × 320 mm (H)  
Weight: <7 kg

## DISPLAY

- iM50:**  
Color TFT LCD: 8.4"  
Resolution: 800x600  
Waveforms Displayed: Up to 11
- iM60:**  
Color TFT LCD: 10.4"  
Resolution: 800x600  
Waveforms Displayed: Up to 11
- iM70:**  
Color TFT LCD: 12.1"  
Resolution: 800x600  
Waveforms Displayed: Up to 11
- iM80:**  
Color TFT LCD: 15"  
Resolution: 800x600  
Waveforms Displayed: Up to 13

## ECG

- Lead Type: 5-lead and 3-lead selectable  
Gain: Auto, x 0.125, x 0.25, x 0.5, x 1, x 2, x 4  
Sweep Speed: 6.25, 12.5, 25, 50 mm/s  
ECG HR Range:  
Adult: 15-300 bpm  
Pediatric / Neonate: 15-350 bpm  
Resolution: 1 bpm  
Accuracy: +1 bpm or +1%  
Filter:  
Diagnostic Mode: 0.05 ~ 150 Hz  
Monitoring Mode: 0.5 ~ 40 Hz  
Surgical Mode: 1~20 Hz  
ST-Segment Detection:  
Measurement Range: -2.0 mV~2.0 mV Alarm  
Range: -2.0 mV~2.0 mV

## RESP

- Method: Trans-thoracic impedance  
Operation Mode: Auto/Manual  
RR Measurement Range:  
Adult: 0~120 rpm  
Neonate/Pediatric: 0~150 rpm  
Resolution 1 rpm  
Apnea Alarm Threshold: 10, 15, 20, 25, 30, 35, 40 s  
Band Width: 0.2-2.5 Hz (-3 dB)  
Sweep Speed: 6.25, 12.5, 25, 50 mm/s

## SPO2

- Measurement & Alarm Range: 0~100% (SpO2)  
Resolution: 1%;  
Accuracy: +2% (70~100%, Adult/ Pediatric) +3% (70~100%, Neonate)  
PR Measurement:  
Resolution: 25-300 bpm  
1 bpm  
Refresh Rate: 1 second

## NIBP

- Method: Automatic Oscillometric  
Operation Modes: Manual/Automatic/Continuous  
Auto Measurement Time Interval 1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 240, 480 minutes  
Measurement Unit: mmHg/kPa  
Measurement Types: Systolic, Diastolic, Mean, Pressure Range:  
Adults:  
Systolic: 40~200 mmHg  
Diastolic: 10~160 mmHg  
Mean: 20~235 mmHG  
Pediatrics:  
Systolic: 40~200 mmHg  
Diastolic: 10~150 mmHg  
Mean: 20~165 mmHG  
Neonates:  
Systolic: 40~135 mmHg  
Diastolic: 10~100 mmHg  
Mean: 20~110 mmHG  
Resolution: 1 mmHg  
Accuracy:  
Max Mean Error: +5 mmHg  
Max Standard Deviation: 8 mmHg  
PR from NIBP Measurement Range: 40~240 bpm  
Resolution: 1 bpm  
Accuracy: 3 bpm or 3.5%  
SP10:2002

## IBP (2 Channels, Optional)

- Measurement Pressure: ART, PA, CVP, RAP, LAP, ICP, P1, P2  
Measurement Range: -50~300 mmHg  
Resolution: 1 mmHg  
Accuracy: +2% or +1 mmHg (whichever is greater, without probe)  
Sensitivity: 5µV/V/mmHg  
Impedance Range: 300-3000Ω

## PHILIPS RESPIRONICS CO2 (Optional)

- Type: Sidestream/Mainstream  
Range: 0~150 mmHg  
Accuracy: +2 mmHg 0~40 mmHg, +5% 41~70 mmHg, +8% 71~100 mmHg, +10% 101~150 mmHg  
AwRR Accuracy: +1 rpm

## CO2 SIDESTREAM

- Range: 0~13% (0-100 mmHg)  
Accuracy: +2 mmHg < 5.0% CO2 <6% of the reading >5.0% CO2  
Sample Flow Rate: 100~200 ml/min

## TEMP (2 Channels)

- Measurement/Alarm Range:  
Resolution: 0~50 oC (32-122 oF)  
Accuracy: 0.1 oC  
Channel: +01 oC (without probe)  
Dual-channel. Provide T1; T2; ΔT

## THERMAL RECORDER (Optional)

- Print Speed: 25, 50 mm/s  
Power Supply  
AC Power: 100~240 V AC, 50/60 Hz Battery:  
14.8 V Rechargeable Li-ion Battery