

SPECIFICATIONS

Dimension

- 260mm X 256mm X 69.5mm
- Weight : 2.4kg
- (battery pack, pads included)

Defibrillator

- Model : iPAD CU-SP2
- Output Energy :
AED Mode : Adult-150/200J(fixed) or 150-200J,
150-150-200J (Energy Escalating)
- Manual override Mode : 2-200J, R-Sync
- Charging Time : Less than 10 seconds
- Charging time after CPR finished : At least 6seconds

User Interface

- CPR guidance : Voice prompts for CPR for adult and child patient
- Controls : On/Off button, i button, Shock button, 3 Menu buttons
- Indicator : Graphic LCD display (Device status, user's guide, ECG, heart rate, etc.)
- Sensing : Pads expiring date, Pads connection status, Pads usage detecting
- ECG monitoring, CPR monitoring, Automatic Volume adjustment

Data Recoding and Transmission

- Internal Memory : ECG, Event
- IrDA : Wireless transmission, SD card
- Storage Capacity : Multi Recording 3 events (up to 17 hours for each event)
- Bluetooth : Printer or CU-EM1
- Data Review : CU-EX1

Patient Analysis System

- Patient Analysis : Shockable rhythms (Ventricular Fibrillation, Ventricular Tachycardia)
- Sensitivity/Specificity :
Meets AAMI DF80 Guideline

Environment

- Sealing :
Waterjet proof IPX5 per IEC60529(IP55)
Dust protected IP5X per IEC60529
- Temperature :
Operation/Standby(0 ~ 43°C)
- Vibration : Meets MILSTD 810G

Battery

- Rechargeable Type : 11.1V DC, 1.9Ah Li-ion
Capacity : Minimum 60 shocks or 3 hours of operation
- Disposable Type : 12V DC, 4.2Ah LiMnO2
Capacity : Minimum 130 shocks or 5 hours of Operation

Parts & Accessories

Standard Package

- Device - Multifunction Defi Pads
- Rechargeable Battery Pack
- Battery Charger
- User's Guide

Option

- Carrying case
- SD card
- Printer
- CU-EM1 (ECG Transmission Device)

iPAD CU-SP2



CU Medical Systems, Inc.

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Established 1922

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KEY FEATURE

The **iPAD CU-SP2** is intended for use by **medical professionals** and it's the last generation of intelligent defibrillator with **innovative features**:



INTELLIGENCE

CPR detection

CPR is vital to ensure that the patient has the best chances of survival. iPAD CU-SP2 detects whether CPR is being performed with appropriate prompts or not. If not, it encourages the responder to perform it.

Energy escalating

Output energy (150J-200J or 150J-150J-200J) In manual mode, the patient will be delivered 150J of shock energy for the first time, and then 200J of shock energy in subsequent shocks.

Wireless ECG transmission device (CU-EM1) – optional

In monitor mode, iPAD CU-SP2 uses Bluetooth to receive ECG data from CU-EM1 and displays it on the LCD screen.

Easy communication with CU-EX1 software

It allows to see and analyze information such as time of "power on", the patient's heart rhythm and shocks delivered. iPAD CU-SP2 saves 3 events on the internal memory (up to 17 hours per event).

Dual Mode – AED and Manual override

The AED automatically reads the sudden cardiac arrest (SCA) patient's electrocardiogram (ECG) and determines if a cardiac arrest that requires defibrillation has occurred so that medical professionals and the general public can easily operate it.

In manual override mode, the user determines whether the patient needs a defibrillation shock or not.

CONVENIENCE

Portable and light weight

iPAD CU-SP2 is an easy-to-use Semi-Automated External Defibrillator (AED) that is small, light, and portable

Size : 260x256x69.5 (W x L x H. mm)

Weight : 2.4kg

Smart pads - intelligent storage

The pre-connected "Smart" electrode pads are stored in an easy access compartment on the underside of the unit ensuring use in the shortest possible time. In addition, the visual frontal indicator shows if the connected pads are within their life expectancy. The indicator will change when the pads have only 3 months life left before their expiry date giving user time to arrange for replacements. It will change again when the expiry date is reached.

Graphic image guide and text, voice prompt

It offers the Graphic image guide and text, voice prompt in order to allow user to follow the step easily and promptly.

Printer – optional

iPAD CU-SP2 supports connection to an external Bluetooth printer.



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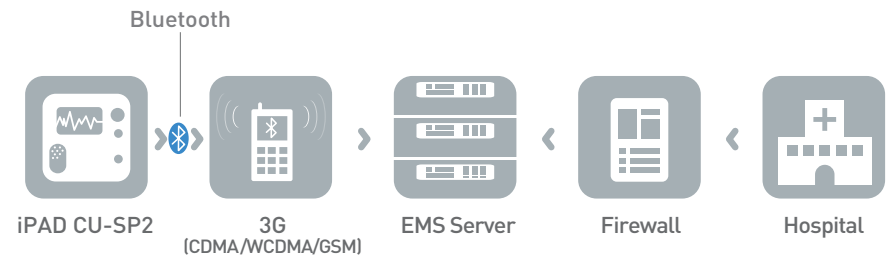


BEFORE THE PATIENT'S ARRIVAL AT THE HOSPITAL

SCA can occur anytime to anyone at any place and may threaten the patient's life if the appropriate CPR or electric shock with a defibrillator are not applied within a few minutes. Immediate and advanced patient treatment should be provided in advance. Currently developed, actually installed and run by CU Medical Systems the iPad CU-SP2 with Telemetry System is the right tool to tackle the time problem. Where there is a mobile communications network, the vital signs of the patient can be transferred to an emergency room where doctors and nurses can read them in the room while the patient is still in transit



CONNECTING PATIENT DATA ACROSS YOUR SYSTEM



QUALITY AND SAFETY

Quality Assurance

We, CU Medical Systems, strives to comply with the rigorous quality system regulations of the following organization :

- ISO 13485 : 2003 [Europe] – EN 46001 [Europe]
- Conformance European [CE MARK] Labeling
- KFDA Quality Approval [Korea]

Daily, Weekly, Monthly Self Test

This device periodically performs a self-test once every day, week and month. The periodic self-test checks important features of the device, such as the battery status, pad status and internal circuits.

Durability

This device has been designed to meet the requirements of emergency situation.

[Drop]

Withstands 1.2-meter drop to any edge, corner, or surface

[Vibration]

Operating: Meets MIL-STD-810G Fig.514.6E-1, random

Standby: Meets MIL-STD-810G Fig.514.6E-2, swept sine(helicopter)



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FEATURE-RICH

Easy Management

Displays the current status of the device, user's guide, ECG, heart rate, etc.

AED Mode

Graphic Guide, Detailed voice and text prompts.

Manual override Mode

Manual override : 2 ~ 200J selectable
R-sync mode : Using R-Sync will detect the R-wave of the patient's ECG, and display the R-Sync mark on the LCD Screen with a short beep.

Monitor Mode

Monitor mode is used in connection with the CU-EM1. In monitor mode, the iPAD CU-SP2 uses Bluetooth to receive ECG data from the CU-EM1 and displays it on the LCD Screen.

Auto volume adjustment

The iPAD CU-SP2 listens to the ambient noise and automatically adjusts the volume of its prompts to make them clear and easily heard over the background noise.

IrDA and SD Card Port

Port for copying device records to an SD card. Transmits and receives treatment data between the device and a personal computer.

Printer

The iPAD CU-SP2 supports connection to an external Bluetooth printer.

Pre-connected Pads

The Pre-connected "Smart" electrode pads are stored in clear storage compartment on the underside of the unit.

i-Button

Provides the following information by voice and LCD screen.

- Reports device usage
- Checks the S/W version
- Checks for errors
- Transmits event and ECG data through IrDA and SD Card
- Mode Change(Adult / Pediatric mode, AED / Manual mode)

Soft Keys

Three buttons that control device settings and movements.

Rechargeable battery pack

The rechargeable (disposable is optional) power source of the device.

- Battery pack, Battery Charge Dock and Battery Charger

CU-EM1

Wireless ECG transmission device CU-EM1
In monitor mode, the iPAD CU-SP2 uses Bluetooth to receive ECG data from the CU-EM1 and displays it on the LCD screen.



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