



CU Medical Systems

Automated External Defibrillator(AED)



Defibrillator / Monitor

LIFEGAIN CU-HD1



Advanced hospital and emergency care defibrillator-monitor designed to withstand rough conditions while supporting professional resuscitation. CU-HD1 offers diverse diagnostic options including capnography, non-invasive blood pressure, pacing, and 12 leads ECG monitoring. With bi-phasic technology, adult / pediatric pads and paddles, CU-HD1 helps rescue personal operate in various conditions. Two batteries or one battery and AC power configuration allows operators to make sure the device is always ready when needed.

Automated External Defibrillator (AED)

IPAD CU-SPR



Advanced and intuitive public access AED. CU-SPR is simple to use and supports both adult and pediatric patients rescue operations. Battery and pads status can be quickly monitored on the LCD screen so that the device is always ready to use. Thanks to its highly water and dust resistant casing, CU-SPR can be used even in wet and rough conditions.

IPAD CU-SP1



Highly popular and reliable public access AED. The status LCD screen allows for quick battery and pads status monitoring. CU-SP1 supports adult and pediatric pads and has adult / pediatric mode switch as an added safety feature. Its intuitive design and lighted indicators help anyone to efficiently and confidently carry out CPR and resuscitation.

Automated External Defibrillator (AED)

NFK200



New model of the NF series public access AED. NFK200 is modern, intuitive, and allows for quick and convenient pads access. Easy adult / pediatric change button, rugged casing for use in all conditions, and handle for easy carry, support CPR and resuscitation of various patients in diverse locations. Ambient noise detection and volume adjustment ensures NFK200 can easily and effectively be used by anyone.

IPAD NF1200



Tried and tested AED with intuitive and effective design for the use of the general public. Tough casing and handle for easy carry support rescue operations in various conditions. Pre-connected pads with quick, front panel access as well as graphic instructions help even minimally trained people to effectively carry on CPR and save lives. LED status indicators allow managers to keep track of consumables and device status.

AED Trainers

IPAD CU-SPT



Trainer unit for CU-SP1 with various training scenarios that allows for complete training in the use of the CU-SP1 device as well as other AEDs. Essential for large organization and rescue operators.

Professional AED

IPAD CU-SP2



Light weight and robust emergency care defibrillator with color LCD screen designed for ECG monitoring, AED, and manual defibrillation rescue operations. Optional printing and 3 leads monitoring functions help professional rescuers to give the best care possible in various conditions for extended periods.

IPAD CU-SP1 AUTO



The fully automatic version of the popular CU-SP1 public access AED. Ideal for first time rescuers and public locations. Its LCD screen allows for quick pads and battery status monitoring and helps ensure device readiness. Ambient noise detection and volume adjustment ensures CU-SP1 AUTO can easily and effectively be used by anyone.

IPAD NF1201



The fully automatic version of the NF1200 public access AED. Simple and effective design for the use of the general public. Eliminating the shock button allows a lay rescuer to focus on CPR and other lifesaving operations. Pre-connected pads, graphic indicator, and CPR support help even minimally trained people to effectively carry on CPR and save lives.

IPAD NFT



Trainer units for NF1200 with various training scenarios that allows for complete training in the use of the NF1200 device as well as other AEDs. Essential for large organization and rescue operators.

LIFEGAIN CU-HD1 DEFIBRILLATOR / MONITOR

Advanced hospital and emergency care defibrillator-monitor designed to withstand rough conditions while supporting professional quality CPR and resuscitation. CU-HD1 offers diverse diagnostic options including capnography, non-invasive blood pressure, pacing, and 12 leads ECG monitoring. With bi-phasic technology, adult / pediatric pads and paddles, CU-HD1 helps rescue personal operate in various conditions. Two batteries or one battery and AC power configuration allows operators to make sure the device is always ready when needed.

Key Features

Convenience

- Bright, tough TFT LCD full color screen
- Defibrillation by paddles or pads
- Rechargeable battery or AC power
- Data storage on SD card
- Built-in printer

Safety

- Automatic internal discharge
- Water and dust resistant (IP43)
- Shock and vibration tolerance

Technology

- Manual and semi-automated e-cube biphasic defibrillation
- 3, 5, or 10-lead ECG monitoring
- Monophasic rectangular non-invasive pacing
- SpO2 pulse oximetry and cardiac induced pulse monitoring
- Oscillometric non-invasive blood pressure
- EtCO2 for real-time rescue and continuous capnography



LIFEGAIN CU-HD1 SPECIFICATIONS

Physical

Dimensions (Paddle included)	326mm (W) X 253mm (L) X 358mm (H).
Weight	Body: 4.7kg or below / 8.2kg or below with accessories

Environmental

Operating Conditions	Temperature: 0 ~ 40°C Humidity: 5% ~ 95%, Non-condensing
Storage Conditions	Temperature: -20 ~ 60°C Humidity: 5% ~ 95%, Non-condensing
Shock / Fall	Satisfying the condition of IEC 60601-1 Section 21
Vibration	MIL-STD-810E
Package	IEC 60601-1 Section 44
ESD	IEC 61000-4-2:2001
EMI (emission)	IEC 60601-1-2
EMI (tolerance)	IEC 60601-1-2
Sealing	IP43

Manual Defibrillator

Charging Time (200 Joules)	Less than 7 sec.: If a rechargeable battery is fully-charged. Less than 6 sec.: If an AC power module is used (only when power is more than 90%).
Shock Energy Selection	Manual: 1J-4J±1J, 5J-10J±2J, 15J±3J, 20J±3J, 30J±15%, 50J±15%, 70J±15%, 100J±15%, 120J±15%, 150J±15%, 170J±15%, 200J±15% (50Ω load)
Indicators	LCD for ECG display, Power/Error display indicators
Charging Indicator	Text prompts of Charge Energy Beep when charging Shock button blinks in orange
Energy Selection	Rotary switch
Impedance Range	25-175 Ohms
Sync	Within 60ms of QRS

AED

Energy Output	200J±6J fixed (50Ω load)
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Defibrillation Pads

Adult	Surface area: 120cm ² / Cable: 150cm
Pediatric	Surface area: 46,43cm ² / Cable: 150cm

Display

Screen Size / Type	152.4(W) X 91.44(H) mm TFT LCD
Resolution	800 X 480 X 3(RGB)
ECG Viewing Time	6 seconds

Patient Monitoring Mode

ECG Input	3-Lead, 5-Lead, 10-Lead
Heart Rate Display	30 ~ 300 bpm (accuracy: ±3 bpm)
Sweep Speed	25mm/sec
Recovery Time	5 seconds

Pacer Mode

Pacing Type	Noninvasive Pacing
Pacing Mode	Demand mode, Fixed mode
Energy	5 ~ 200 mA (±5mA)
Pulse Width	20ms (±10%)
Pacing Rate	30 ~ 180 ppm (±1.5%)

SpO2 Monitoring

Pulse Rate	20 ~ 250 bpm (± 3 bpm)
SpO2 Measuring Range	1 ~ 100%
SpO2 Accuracy	80 ~ 100% (± 3 digit)
Display Update Interval	6 seconds

NIBP Monitoring

Patient Category	Adult, Pediatric, Neonate
Operation Mode	Manual/ Automatic
Display	Systolic / Diastolic / Mean blood pressure
Error Range for Pressure	± 3 mmHg

EtCO2 Monitoring

Display Range	0-99 mmHg 0-14 vol%
Sweep Speed	6.25 mm/sec, 12.5 mm/sec, 25 mm/sec
Respiration Rate Accuracy	± 1 bpm
Recovery Time	5 seconds

Data Storage

Data Storage	Store up to 100 events or 192 hours of single event or more than 8 hours of events, ECG data, and voice data
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Built-in Printer

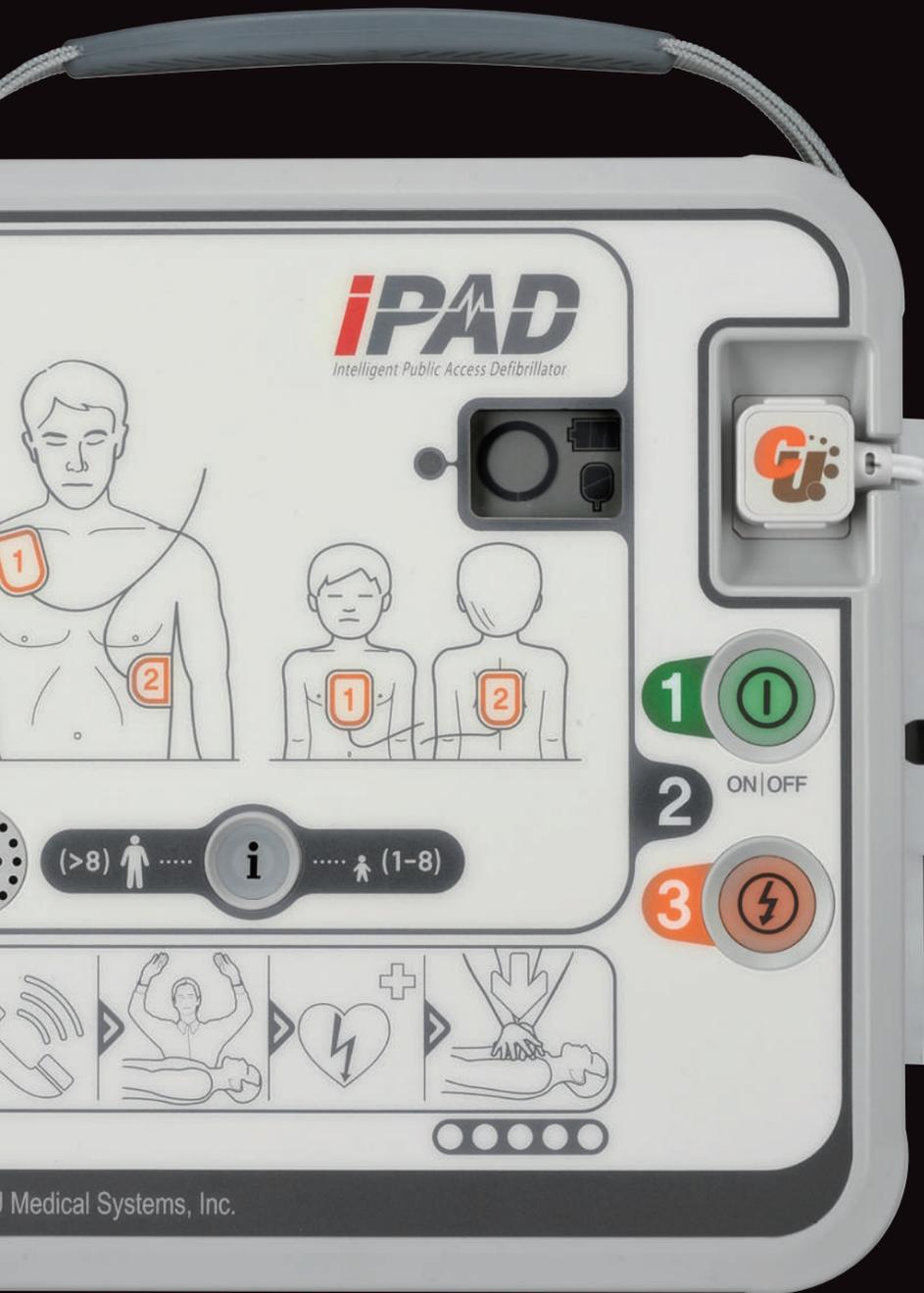
Print Method	Thermal line printing
Print Width	48mm
Print Rate	25mm/sec
Paper	Width: 58mm

Battery

Battery Type	Rechargeable Lithium Ion
Output	14.4 VDC, 5000 mAh (min.4800 mAh)
Capacity	100 shocks (200J) or at least 4 hours of monitoring
Charging Time	5 hours to 100%.
Operation	Temperature: 0°C ~ 40°C Humidity: 90% of below, Non-condensing
Storage	Temperature: -20°C ~ 45°C Humidity: 90% of below, Non-condensing

AC Power

Input	100 ~ 240 VAC, 50/60 Hz
Output	18 V DC, 2 A
Operation	Temperature: -20°C ~ 40°C Humidity: 90% of below, Non-condensing
Storage	Temperature: -20°C ~ 60°C Humidity: 90% of below, Non-condensing



Key Features

Convenience

- Device and consumables status LCD screen for quick monitoring
- CPR metronome, voice guidance, and graphic instructions
- Adult / pediatric mode quick change button
- Data transfer by USB

Safety

- Automatic internal discharge
- Daily / weekly / monthly self-test
- Shock resistant carrying case
- Highly water resistant casing IP66 / IP68 (Option)

Technology

- Semi-automated e-cube biphasic defibrillation
- Combined adult / pediatric pads or dedicated pediatric pads support
- Automatic background noise analysis and device volume adjustment
- CPR step detection indicator for more effective CPR

IPAD CU-SPR SPECIFICATIONS

Physical

Dimensions	240mm x 230mm x 70mm (Width x Length x Height)
Weight	2kg (Including the battery pack and pads)

Environmental

Operating Conditions	Temperature: 0°C ~ 50°C (32°F ~ 122°F) Humidity: 5% ~ 95% (non condensing)
Storage Conditions	Temperature: 0°C ~ 50°C (32°F ~ 122°F) Humidity: 5% ~ 95% (non condensing)
Transport Conditions	Temperature: -20°C ~ 60°C (-4°F ~ 140°F) Humidity: 5% ~ 95% (non condensing)
Altitude	0 to 4,572 m (0 to 15,000 ft.) – operational and storage
Drop	Withstands 0.75 meter drop to any edge, corner, or surface
Vibration	Operating: Meets MIL-STD-810G Fig.514.6E-1 Standby: Meets MIL-STD-810G Fig.514.6E-2
Sealing (Regular)	IEC 60529:2013 IP66
Sealing (Optional)	IEC 60529:2013 IP68
ESD	Meets IEC 61000-4-2:2008
EMI (Radiated)	Meets IEC 60601-1-2 limits, method EN 55011:2016+A1:2017, Group 1, Class B
EMI (Immunity)	Meets IEC 60601-1-2 limits, method EN 61000-4-3:2006 +A2:2010 Level 3 (10V/m 80MHz to 2.5GHz)

Defibrillator

Operating Mode	Semi-automated
Waveform	E-cube biphasic (Truncated exponential type)
Output Energy	150J at 50 Ω load for adults 50J at 50 Ω load for children
Charge Control	Controlled by an automated patient analysis system
Charging Time	Within 3 seconds from when the voice instruction, "An electric shock is needed" is issued.
Time from Initiation of Rhythm Analysis	10 seconds with a new battery (even after the delivery of 15 discharges at 150J) 12 seconds with a new battery (even after the delivery of 15 discharges at 200J)
Time from Power on to Readiness for Discharge	25 seconds with a new-fully charged battery (even after the delivery of 15 discharges at maximum energy)
Time from CPR to Shock	At least 6 seconds from the completion of CPR to shock delivery
Disarm	Patient's heart rhythm changes to non-shockable rhythm The SHOCK button is not pressed within 15 seconds

ECG Acquisition

Acquired ECG Lead	Lead II
Frequency Response	1 Hz to 30 Hz

ECG Analysis System

Impedance Range	25Ω to 175Ω
Shockable Rhythms	Ventricular Fibrillation or Fast Ventricular Tachycardia
Sensitivity and Specificity	Meets ANSI/AAMI DF80 guidelines

Controls, Indicators, and Prompts

Controls	Power Button Shock Button Adult/Pediatric Selection Button
Status LCD	Displays device status, battery level and pads status
Status LED	Displays device status, battery level and pads status
Indicators	Do-Not-Touch-Patient Pads Patch Position Indicators Pads Connector Status Indicator Status LED Indicator CPR Detection Indicator Shock Button Blue i-Button
Speaker	Provides voice prompts
Sound Level	80dB ~ 90dB (±3dB), apart 1m above speaker
Beeper	Provides various audible indications
Battery Level	Shown on the Status LCD
Low Battery Indicator	Flashing red i-Button

Self-Test

Automatic	Power On Self-Test, Run-time Self-Test Daily, Weekly, and Monthly Self-Test
Manual	Battery Pack Insertion Test

Battery Pack

Battery Type	12V DC, 4.2Ah LiMnO2, Disposable
Capacity	At least 150 shocks (200J) for a new battery or 6 hours of operating time
Standby Life	At least 5 years from the date of manufacture
Temperature Ranges	Operating Temperature: 0°C ~ 50°C (32°F ~ 122°F) Storage Temperature: -20°C ~ 60°C (-4°F ~ 140°F)

Adult / Pediatric Defibrillation Pads

Surface Area	85cm ²
Cable Length	120cm
Shelf life	At least 36 months from the date of manufacture

Pediatric Defibrillation Pads

Surface Area	85cm ²
Cable Length	120cm
Shelf Life	At least 30 months from the date of manufacture

Data Storage and Transfer

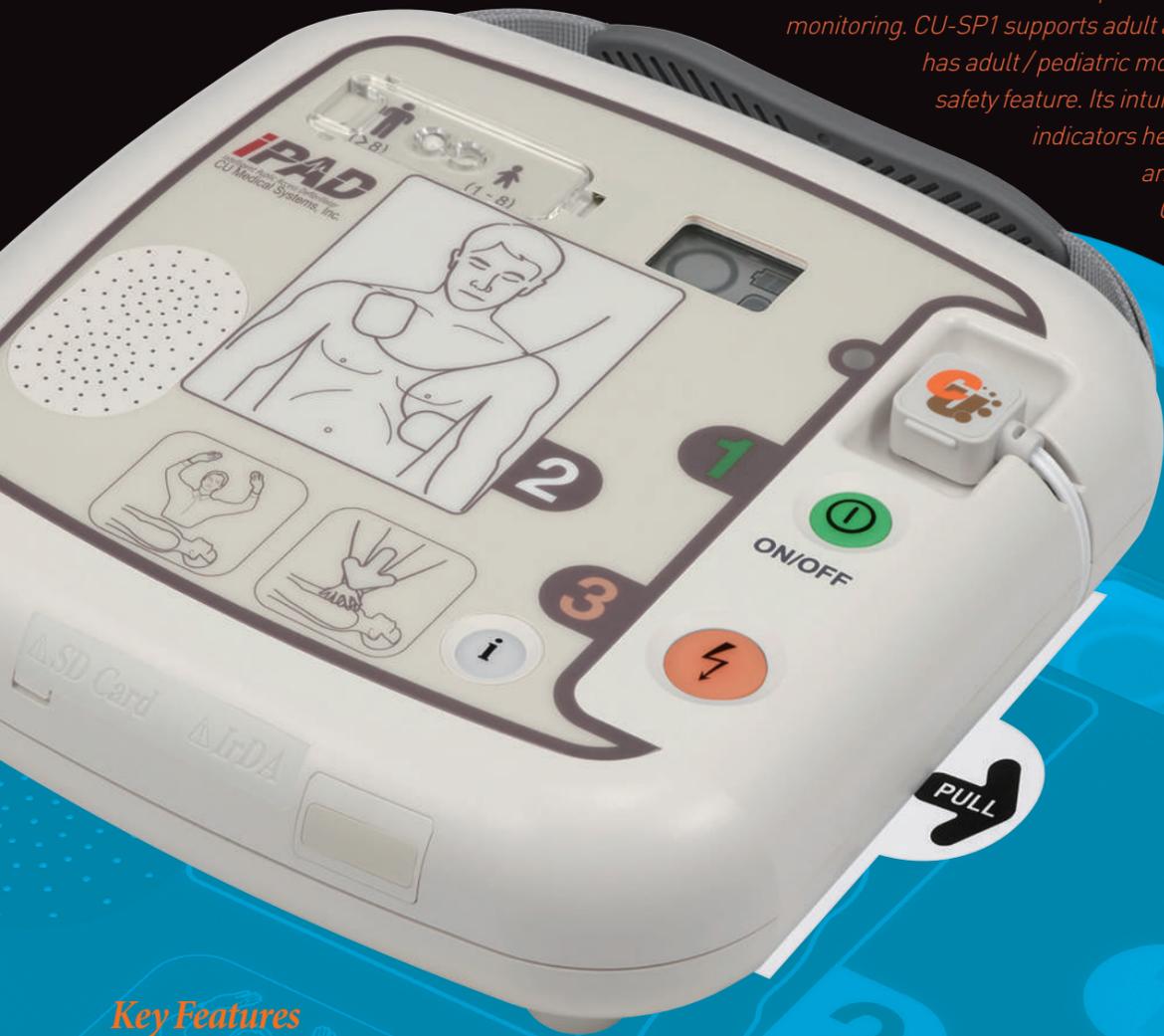
USB	External memory. Data may be copied from the internal memory to the USB.
File System	FAT32
Internal Memory Data Capacity	5 individual treatments, up to 3 hours per treatment

Advanced and intuitive public access AED. CU-SPR is simple to use and supports both adult and pediatric patients rescue operations. Battery and pads status can be quickly monitored on the LCD screen so that the device is always ready to use. Thanks to its highly water and dust resistant casing, CU-SPR can be used even in wet and rough conditions.



IPAD CU-SP1 PUBLIC ACCESS AED

Highly popular and reliable public access AED. The status LCD screen allows for quick battery and pads status monitoring. CU-SP1 supports adult and pediatric pads and has adult / pediatric mode switch as an added safety feature. Its intuitive design and lighted indicators help anyone to efficiently and confidently carry out CPR and resuscitation.



Key Features

Convenience

- Device and consumables status LCD screen for quick monitoring
- CPR metronome, voice guidance, and graphic instructions

Safety

- Automatic internal discharge
- Daily / weekly / monthly self-test
- Shock resistant carrying case
- Adult / pediatric mode change switch

Technology

- Semi-automated e-cube biphasic defibrillation
- Combined adult / pediatric pads or dedicated pediatric pads support
- Automatic background noise analysis and device volume adjustment



IPAD CU-SP1 SPECIFICATIONS

Physical

Dimensions	260mm x 256mm x 69.5mm (Width x Length x Height)
Weight	2.4kg (Including the battery pack and pads)

Environmental

Operating Conditions	Temperature: 0°C ~ 50°C (32°F ~ 122°F) Humidity: 5% ~ 95% (non condensing)
Storage Conditions	Temperature: 0°C ~ 50°C (32°F ~ 122°F) Humidity: 5% ~ 95% (non condensing)
Transport Conditions	Temperature: -20°C ~ 60°C (-4°F ~ 140°F) Humidity: 5% ~ 95% (non condensing)
Altitude	0 to 15,000 feet (operational and storage)
Drop	Withstands 1.2-meter drop to any edge, corner, or surface
Vibration	Operating: Meets MIL-STD-810G Fig.514.6E-1 Standby: Meets MIL-STD-810G Fig.514.6E-2
Sealing	IEC 60529: IP55
ESD	Meets IEC 61000-4-2:2008
EMI (Radiated)	Meets IEC 60601-1-2
EMI (Immunity)	Meets IEC 60601-1-2

Defibrillator

Operating Mode	Semi-automated
Waveform	E-cube biphasic (Truncated exponential type)
Output Energy	150J at 50 Ω load for adults 50J at 50 Ω load for children
Charge Control	Controlled by an automated patient analysis system
Charging Time	Less than 10 seconds
Time from CPR to Shock	At least 6 seconds from the completion of CPR to shock delivery
Disarm	Patient's heart rhythm changes to non-shockable rhythm The SHOCK button is not pressed within 15 seconds
Patient Isolation	Type BF

ECG Acquisition

Acquired ECG Lead	Lead II
Frequency Response	1 Hz to 30 Hz

ECG Analysis System

Impedance Range	25Ω to 175Ω
Shockable Rhythms	Ventricular Fibrillation or Fast Ventricular Tachycardia
Sensitivity and Specificity	Meets ANSI/AAMI DF80 guidelines

Controls, Indicators, and Prompts

Controls	Power Button i-Button Shock Button Adult/Pediatric Selection Switch
Indicators	Do-Not-Touch-Patient Pads Patch Position Indicators Pads Connector Status Indicator CPR Detection Indicator Shock Button Blue i-Button Red i-Button

Speaker	Provides voice prompts
Beeper	Provides various audible indication
Battery Level	Shown on the Status LCD
Low Battery Indicator	Flashing red i-Button

Self-Test

Automatic	Power On Self-Test, Run-time Self-Test Daily, Weekly, and Monthly Self-Test
Manual	Battery Pack Insertion Test

Battery Pack

Battery Type	12V DC, 4.2Ah LiMnO2, Disposable
Capacity	At least 200 shocks for a new battery or 8 hours of operating time
Standby Life	At least 5 years from the date of manufacture
Temperature Ranges	Operating Temperature: 0°C ~ 43°C (32°F ~ 109°F) Storage Temperature: -20°C ~ 60°C (-4°F ~ 140°F)

Adult / Pediatric Defibrillation Pads

Surface Area	120cm ²
Cable Length	120cm
Shelf Life	At least 36 months from the date of manufacture

Pediatric Defibrillation Pads

Surface Area	85cm ²
Cable Length	120cm
Shelf Life	At least 30 months from the date of manufacture

Data Storage and Transfer

IrDA	PC communications
Internal Memory Data Capacity	5 individual treatments, up to 3 hours per treatment
SD Card	External memory. Data may be copied from the internal memory to the SD Card



IPAD CU-SP1 AUTO FULLY AUTOMATIC PUBLIC ACCESS AED



Key Features

Convenience

- Device and consumables status LCD screen for quick monitoring
- CPR metronome, voice guidance, and graphic instructions
- Data transfer by SD card or IrDA

Safety

- Automatic internal discharge
- Daily / weekly / monthly self-test
- Shock resistant carrying case
- Adult / pediatric mode change switch

Technology

- Fully-automatic e-cube biphasic defibrillation
- Combined adult / pediatric pads or dedicated pediatric pads support
- Automatic background noise analysis and device volume adjustment

The fully automatic version of the popular CU-SP1 public access AED. Ideal for first time rescuers and public locations. Its LCD screen allows for quick pads and battery status monitoring and helps ensure device readiness. Ambient noise detection and volume adjustment ensures CU-SP1 AUTO can easily and effectively be used by anyone.



IPAD CU-SP1 AUTO SPECIFICATIONS

Physical

Dimensions	260mm x 256mm x 69.5mm (Width x Length x Height)
Weight	2.4kg (Including the battery pack and pads)

Environmental

Operating Conditions	Temperature: 0°C ~ 50°C (32°F ~ 122°F) Humidity: 5% ~ 95% (non condensing)
Storage Conditions	Temperature: 0°C ~ 50°C (32°F ~ 122°F) Humidity: 5% ~ 95% (non condensing)
Transport Conditions	Temperature: -20°C ~ 60°C (-4°F ~ 140°F) Humidity: 5% ~ 95% (non condensing)
Altitude	0 to 15,000 feet (operational and storage)
Drop	Withstands 1.2-meter drop to any edge, corner, or surface
Vibration	Operating: Meets MIL-STD-810G Fig.514.6E-1 Standby: Meets MIL-STD-810G Fig.514.6E-2
Sealing	IEC 60529: IP55
ESD	Meets IEC 61000-4-2:2008
EMI (Radiated)	Meets IEC 60601-1-2
EMI (Immunity)	Meets IEC 60601-1-2

Defibrillator

Operating Mode	Fully automatic
Waveform	E-cube biphasic (Truncated exponential type)
Output Energy	150J at 50 Ω load for adults 50J at 50 Ω load for children
Charge Control	Controlled by an automated patient analysis system
Charging Time	Less than 10 seconds
Time from CPR to Shock	At least 6 seconds from the completion of CPR to shock delivery
Disarm	Patient's heart rhythm changes to non-shockable rhythm
Patient Isolation	Type BF

ECG Acquisition

Acquired ECG Lead	Lead II
Frequency Response	1 Hz to 30 Hz

ECG Analysis System

Impedance Range	25Ω to 175Ω
Shockable Rhythms	Ventricular Fibrillation or Fast Ventricular Tachycardia
Sensitivity and Specificity	Meets ANSI/AAMI DF80 guidelines

Controls, Indicators, and Prompts

Controls	Power Button i-Button Adult/Pediatric Selection Switch
Indicators	Do-Not-Touch-Patient Pads Patch Position Indicators Pads Connector Status Indicator CPR Detection Indicator Shock Button Blue i-Button Red i-Button
Speaker	Provides voice prompts
Beeper	Provides various audible indications
Battery Level	Shown on the Status LCD
Low Battery Indicator	Flashing red i-Button

Self-Test

Automatic	Power On Self-Test, Run-time Self-Test Daily, Weekly, and Monthly Self-Test
Manual	Battery Pack Insertion Test

Battery Pack

Battery Type	12V DC, 4.2Ah LiMnO2, Disposable
Capacity	At least 200 shocks for a new battery or 8 hours of operating time
Standby Life	At least 5 years from the date of manufacture
Temperature Ranges	Operating Temperature: 0°C ~ 43°C (32°F ~ 109°F) Storage Temperature: -20°C ~ 60°C (-4°F ~ 140°F)

Adult / Pediatric Defibrillation Pads

Surface Area	120cm ²
Cable Length	120cm
Shelf Life	At least 36 months from the date of manufacture

Pediatric Defibrillation Pads

Surface Area	85cm ²
Cable Length	120cm
Shelf Life	At least 30 months from the date of manufacture

Data Storage and Transfer

IrDA	PC communications
Internal Memory Data Capacity	5 individual treatments, up to 3 hours per treatment
SD Card	External memory. Data may be copied from the internal memory to the SD Card



Key Features

Convenience

- Easy access to pads from front panel
- Device and consumables status LED indicator
- CPR metronome, voice guidance, and graphic instructions
- Data transfer by USB

Safety

- Automatic internal discharge
- Daily / weekly / monthly self-test
- Adult / pediatric mode change button

Technology

- Semi-automated e-cube biphasic defibrillation
- Combined adult / pediatric pads or dedicated pediatric pads support
- Automatic background noise analysis and device volume adjustment
- CPR step detection indicator for more effective CPR

New model of the IP series public access AED. NFK200 is modern, intuitive, and allows for quick and convenient pads access. Easy adult / pediatric change button, rugged casing for use in all conditions, and handle for easy carry, support CPR and resuscitation of various patients in diverse locations. Ambient noise detection and volume adjustment ensures NFK200 can easily and effectively be used by anyone.



IPAD NFK200 SPECIFICATIONS

Physical

Dimensions	260mm x 220mm x 70mm (Width x Length x Height)
Weight	2.2kg (Including the battery pack and pads)

Environmental

Operating Conditions	Temperature: 0°C ~ 50°C (32°F ~ 122°F) Humidity: 5% to 95% (non-condensing)
Storage Conditions	Temperature: 0°C ~ 50°C (32°F ~ 122°F) Humidity: 5% to 95% (non-condensing)
Transport Conditions	Temperature: -20°C ~ 60°C (-4°F ~ 140°F) Humidity: 5% to 95% (non-condensing)
Altitude	0 to 4,572 m (0 to 15,000 ft.)
Drop	Withstands 1.2-meter drop to any edge, corner, or surface
Vibration	Operating: Meets MIL-STD-810G Fig.514.6E-1, Standby: Meets MIL-STD-810G Fig.514.6E-2
Sealing	IEC 60529:2013 IP42
ESD	Meets IEC 61000-4-2:2008
EMI (Radiated)	Meets IEC 60601-1-2 limits, CISPR: 2009+A1:2010, Group 1, Class B
EMI (Immunity)	Meets IEC 60601-1-2 limits, method EN 61000-4-3:2006 +A2:2010 Level 3

Defibrillator

Operating Mode	Semi-automated
Waveform	E-cube biphasic (Truncated exponential type)
Output Energy	150J at 50 Ω load for adults 50J at 50 Ω load for children
Charge Control	Controlled by an automated patient analysis system
Charging Time	Within 3 seconds from when the voice instruction, "An electric shock is needed" is issued.
Time from initiation of rhythm analysis	10 seconds with a new battery (even after the delivery of 15 discharges at 150J) 12 seconds with a new battery (even after the delivery of 15 discharges at 200J)
Time from Power on to readiness for discharge	25 seconds with a new-fully charged battery (even after the delivery of 15 discharges at maximum energy)
Time from CPR to Shock	At least 6 seconds from the completion of CPR to shock delivery
Disarm	Patient's heart rhythm changes to non-shockable rhythm The SHOCK button is not pressed within 15 seconds

ECG Acquisition

Acquired ECG Lead	Lead II
Frequency Response	1 Hz to 30 Hz

ECG Analysis System

Impedance Range	25Ω to 175Ω
Shockable Rhythms	Ventricular Fibrillation or Fast Ventricular Tachycardia
Sensitivity and Specificity	Satisfies AAMI DF80

Controls, Indicators, and Prompts

Controls	Power Button Shock Button Adult/Pediatric Selection Button
Indicators	Do-Not-Touch-Patient Pads Patch Position Indicators Status LED Indicator CPR Step and Detection Indicator Shock Button
Speaker	Provides voice prompts
Sound Level	80dB ~ 90dB (±3dB), apart 1m above speaker
Beeper	Provides various audible indications
Low Battery Indicator	Shown on the Status LED, announced via voice instruction

Self-Test

Automatic	Power On Self-Test, Run-time Self-Test Daily, Weekly, and Monthly Self-Test
Manual	Battery Pack Insertion Test

Battery Pack Standard

Battery Type	12V DC, 2.8 Ah LiMnO2, Disposable
Capacity	At least 40 (200J) shocks for a new battery or 2 hours of operating time
Standby Life	At least 2 years from the date of manufacture
Temperature Ranges	Operating Temperature: 0°C ~ 50°C (32°F ~ 122°F) Storage Temperature: -20°C ~ 60°C (-4°F ~ 140°F)

Battery Pack Long Life

Battery Type	12V DC, 4.2Ah LiMnO2, Disposable
Capacity	200 Joules - At least 150 shocks for a new battery or 6 hours of operating time
Standby Life	At least 5 years from the date of manufacture
Temperature Ranges	Operating Temperature: 0°C ~ 50°C (32°F ~ 122°F) Storage Temperature: -20°C ~ 60°C (-4°F ~ 140°F)

Adult / Pediatric Defibrillation Pads

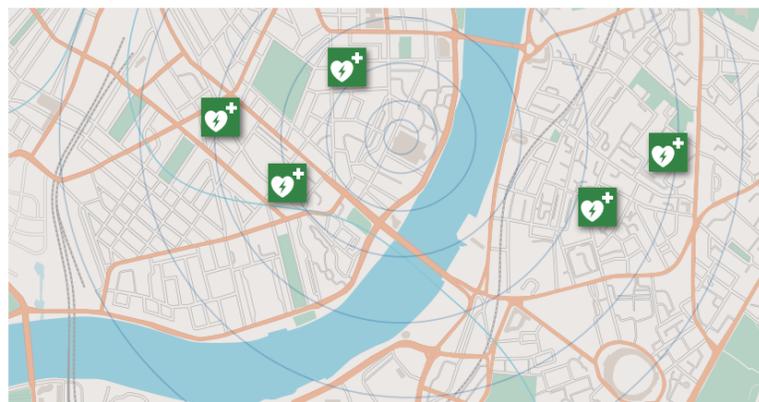
Surface Area	85cm ²
Cable Length	120cm
Shelf Life	At least 36 months from the date of manufacture

Data Storage and Transfer

USB	External memory. Data may be copied from the internal memory to the USB.
File System	FAT32
Internal Memory Data Capacity	5 individual treatments, up to 3 hours per treatment

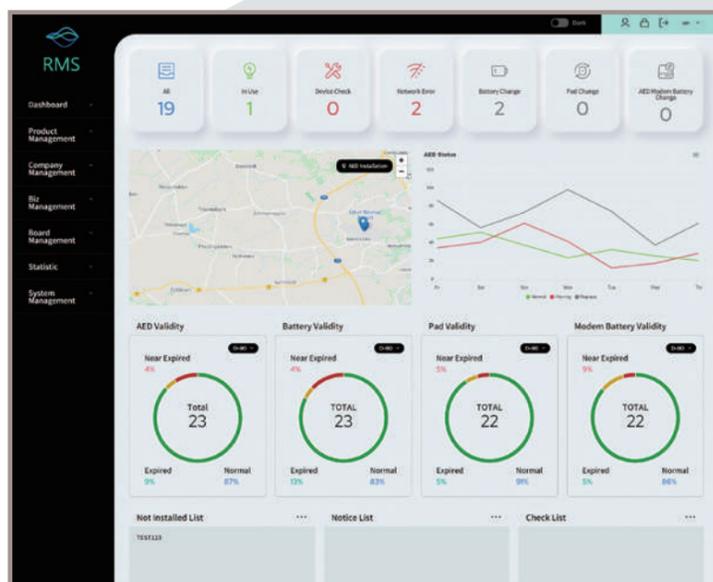
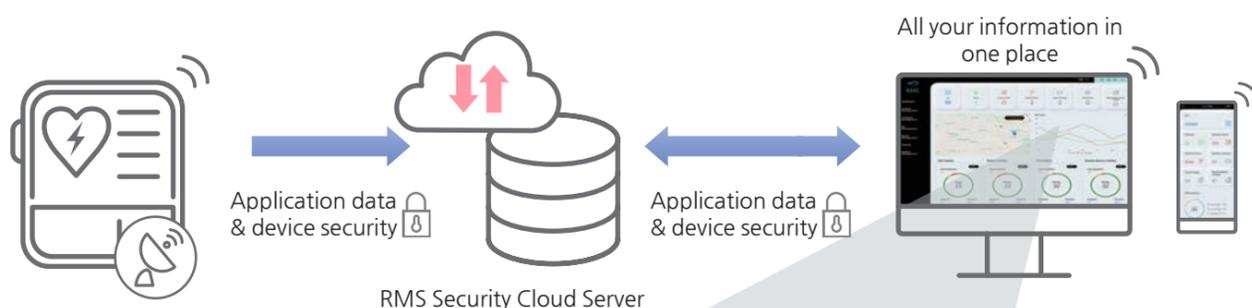
RMS Remote Management System

Manual inspection of AED is time-consuming and prone to errors. RMS ensures your AEDs are always ready to save a life and allows you to control your AEDs fleet with convenience and ease. The RMS is web-based, easy to install, efficient to maintain, and allows for rapid rescue response in case of an emergency. It is an essential management tool for modern businesses and organizations.



DEVICES ON SITE

- External network modem with built-in battery.
- Status recognition camera module (Optional / For other brands).



KEY FEATURES

Intuitive User Interface

- Quick issue monitoring through detailed device status display.
- Accurate management through information received from the device.

Self-Test & Reporting

- Daily, automatic self-test and results transmission in a report form.
- Periodical self-test information results.

Secure Data Transfer

- Real-time device operation data transfer.
- Transmission of device location to the nearest EMS.

Automatic Notifications (e-mail, SMS)

- Location notification: Deviation from pre-determined location.
- Consumables expiration notification: Pads, Battery status, etc.

BENEFITS



Efficient Maintenance

All your AED information available on your PC or mobile devices. 24/7 monitoring service helps to reduce troubleshooting response time and maintain readiness.



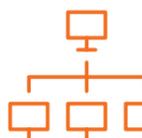
Cost-Effective Solution

RMS minimizes the data transaction required to check the device status via IoT network (NB IoT, M1). Thus, you can reduce costs & guarantee stable data transmission.



Wide Compatibility

RMS is a widely compatible and friendly solution. It can monitor not only our devices but other brands' units and legacy devices (Optional).



Service Modularization

RMS can modularize your monitoring categories and functions for your convenience.

IPAD SPT AED TRAINER

Trainer unit for CU-SP1 with various training scenarios that allows for complete training in the use of the CU-SP1 device as well as other AEDs. Essential for large organization and rescue operators.



The First
Step
in Saving
Lives

CU Medical Systems

Key Features

Convenience

- Reusable training pads
- Infrared remote control
- Powered by 6 AA batteries

Safety

- No actual electric shock delivered when used

Technology

- 8 rescue scenario settings
- Real-life training for all CU-SP1 functions

IPAD SPT SPECIFICATIONS

Physical

Dimensions 260mm x 256mm x 69.5mm (Width x Length x Height)

Environmental

Operating Conditions Temperature: 15°C to 35°C (59°F to 95°F)
Humidity: 5% to 95% (non-condensing)

Storage Conditions Temperature: 0°C to 43°C (32°F to 109°F)
Humidity: 5% to 95% (non-condensing)

Battery Pack

Battery Type 6 AA batteries