AMiS-22 Telehealth Suitcase

Features

- Rugged tablet with Intel CPU, built-in camera and high-quality speakerphone as a light but powerful telehealth platform

- Diverse wireless communication such as 4G LTE, Wi-Fi and Bluetooth enables real portable telehealth application

- Extended USB hub allows easy and scalable connection with several medical devices

- Condensed interior foam design for housing all medical devices firmly into one suitcase

- Rugged carry-on suitcase realizes true transportable usage for medical professionals during travel or front-line services

Introduction

AMiS-22 telehealth suitcase is designed for integrating all the essential IT platform and medical devices into one carry-on size luggage, and it can support more extensive telehealth application, especially for on-site services like emergency care, home care and military medicine.

Specifications

Carry-On Suitcase	Physical Characteristics	Dimension (W x D x H)	Exterior 21.96 x 13.97 x 8.98 in (55.8 x 35.5 x 22.8 cm)
		Weight	Empty 3.9 kg/8.69 lb
		Wheels	2
	Interior	Foam	2 layers of EVA foam for housing designated medical devices and keyboard
	Environment	IP Rating	IP67
		Test Compliance	Vibration, Vertical Impact, Penetration
Computing –AIM-68	System	Processor	Intel® AtomTM x7-Z8750 quad-core, 1.6 GHz
		Memory	4 GB LPDDR3
		OS	Windows 10 IoT Enterprise
	Storage	eMMC	64 GB
		Micro-SD	Support (up to 128GB)
	Display	Size	10.1" FHD LCD
		Resolution	WUXGA 1920 x 1200
		Brightness	800 cd/m2
		Touch Type	10-point, multi-touch P-CAP touch control
		Glass Type	Corning® Gorilla® Glass 3
	Camera	Front	2.0-megapixel
	Communication	WLAN	IEEE 802.11 a/b/g/n/ac
		Bluetooth	Bluetooth® v4.1
		WWAN	4G LTE with SIM slot
	Power System	Input Voltage	DC jack: 19V/3.42A
		Battery	Hot-swappable battery with capacity LED indicators; 10.8V, 2400 mAh, 26 WHr Operating time: 4-6 hr (depending on usage scenario) Charging time: < 3 hr
		Indicator	Full: Green(100%); Charging: Blue; Low: Red(≤10%)
	Environment	Operating Temperature	-10 ~ 50 °C (14 ~ 122 °F)
		Storage Temperature	-20 ~ 60 °C (-4 ~ 140°F)
		IP Rating	IP65
		Shock	IEC60068-2-27
		Vibration	IEC60068-2-64
		Humidity	Operating: 10 ~ 90% @ 40 °C non-condensing Storage: -10 ~ 95% non-condensing
		Drop Tested	Up to 120 cm (4 ft) onto plywood over concrete
	Physical Characteristics	Dimension (W x D x H)	280 x 18.3 x 180.1 mm/11 x 0.7 x 7.1 in
		Weight	980 g/2.2 lb
	Certifications		FCC, CE, CB, UL, TELEC, VCCI, BSMI, NCC, CCC, SRRC, RCM, IC, KC
Jabra Speak 510 UC	Audio	Microphone	Built-in omnidirectional microphone
		Signal	Digital Signal Processing (DSP) Technology, Echo cancellation
I/O Extension	USB Hub		USB 2.0 x 3

Order Information

Part Number	Packing List
AMIS2211M001E-ES	1 x AMiS-22 suitcase with pre-installed AIM-68, Jabra Speak 510 UC and USB hub 1 x AC/DC adaptor 1 x 2-pin power cord (USA)

Optional Video Conferencing Software

Part Number	Product Description
31CSVEES0001D1	VSee Messenger (Peripheral Streaming Version) **Features:** ▪ HIPAA Compliance ▪ Live Annotation ▪ Unlimited Screen Sharing ▪ Peripheral streaming ▪ Far-end PTZ camera control

Note: 1 Unit of video conferencing software represent the pricing per month

Optional Designated Medical Devices

Part Number	Description
96PD-01056	Horus DSC 300P Control Unit
96PD-01057	Horus DDC 100 Dermatoscope
96PD-01058	Horus DOC 300S Otoscope
96PD-01059	Horus DGC 100 General Scope
96PD-01021	DS101 Electronic Stethoscope
96PD-01022	12-Lead Portable ECG/SNAP/AHA
96PD-01023	12-Lead Portable ECG/SNAP/IEC
96PD-01024	Wireless Ultrasound Scanner/Convex*
96PD-01025	Wireless Ultrasound Scanner/Linear*
AIM-58CT-13101000	AIM-58 (Android) medical tablet, working platform for wireless ultrasound scanner
968DD00160	HDMI to USB converter for live streaming of ultrasound images on AIM-58

Note: The EVA foam inside the suitcase is designed for housing only one ultrasound scanner

Reference Keyboard

Logitech K380 Bluetooth Keyboard or other keyboard with dimension (WxDxH) under 279 x 16 x 124 mm

Optional Power Cord

Part Number	Description
1700001947	Power Cord (USA) UL 2P 7A 125 V 183 cm
1700001949	Power Cord(UK) BSI 2P 2.5A 250V 183cm
1700029278-01	Power Cord (Japan) PSE 2P 7A 125V 183cm
1700029279-01	Power Cord (NZ/AU) SAA 2P 2.5A 250V 183 cm
1700008972	Power cord (China)CCC 2P 2.5A 250 V 183 cm
1700001948-11	Power cord (EU) EU 2P 2.5A 250 V 183 cm
1700021662-01	Power Cord (TW) BSMI 2P 2.5A 125V 183cm

Designated Medical Devices

Digital Exam Scope

Electronic Stethoscope

Portable ECG

Wireless Ultrasound

LU700C LU700L

Digital Exam Scope

Part Number	Product Description	Spec	
96PD-01056	Horus DSC 300P Control Unit	Focus	Manual Focus
		Image Resolution	2560 x 1920
		Video Resolution	2560 x 1920
		LCD Monitor	3.5" TFT-LCD, Capacitive multi-touch
		Image Format	JPEG(Photograph)/H.265(Video)
		Interface	Mini USB 2.0, Micro HDMI, Wi-Fi (2.4G), Bluetooth (4.2)
		File Storage	Memory card, Supports 2GB to 32GB by FAT32 Format
		Power Source	Rechargeable Lithium Battery 3.6V/Capacity 3350mAh
		Power Adapter	Input Spec.: 100-240Vac, 0.6-0.3A, 50-60Hz; Output Spec.: 5V DC, 1.2A
		Charging/Operating Time	6 hr/1.5-4.5 hr (Depending on optical lens used)
		Weight	275 g
96PD-01057	Horus DDC 100 Dermatoscope	Dimension	45 x 45 x 56 mm
		Weight	114 g
		Camera Light Source	Natural White LED
		View Angle	10 mm diameters (Diagonal)
		Polarization Function	Polarized light changed by the switch on lens
96PD-01058	Horus DOC 300S Otoscope	Dimension	43 x 43 x 70 mm
		Weight	69 g
		Camera Light Source	Natural White LED
		Focus Range	7-20 mm
96PD-01059	Horus DGC 100 General Scope	Dimension	43 x 43 x 24 mm
		Weight	48 g
		Camera Light Source	Natural White LED

Electronic Stethoscope

Part Number	Product Description	Spec	
96PD-01021	Cardiart DS101 Electronic Stethoscope	Batteries Enclosed	AAA 1.5V Alkaline/1.2V Ni-MH Battery
		Chestpiece Technology	Changeable chestpiece
		Device Dimension	L127.05 x W45.56 x H46.98 mm
		IP rating	IPX4
		Screen	OLED 1.46" Full Color 128 x 128 RGB
		Filter Mode (Frequency Range)	Bell (20-200 Hz)/Diaphragm (100-500 Hz)/Wide (20-1000Hz)
		Volume Level	10 level
		Record Time Set	10 sec, 20 sec, 30 sec, 40 sec
		Organ Mode	Heart/Anterior Chest/Posterior Chest/Neck/Bowel
		Heart Rate Detection	Yes (Heart Organ display), 30-180 bpm
		Phonocardiogram Display	Yes, 3 second display
		Wireless Data Transfer	Bluetooth 4.0
		Files Storage	Save up to 160 10-second patient sound tracks

Portable ECG

Part Number	Product Description	Spec	
96PD-01022 (AHA code) 96PD-01023 (IEC code)	BriteMED Portable 12-Lead ECG	Sensitivity	5, 10, 20,40 mm/mV
		Sampling Rate	1000 samples per second
		Low Cut Filter	0.05 Hz, 0.15 Hz, 0.3 Hz
		High Cut Filter	30 Hz, 150 Hz, 250 Hz, off
		Hum Filter	50 Hz, 60 Hz, off
		Sweep Speed	25 mm/s
		Defibrillator Protection	Yes
		Pacing Pulse Detection	Yes
		HR Measurement Range	30-300BPM, Accuracy: ± 1BPM
		Power Supply	5V/0.3A (supplied from PC via USB cable)
		Dimension	85 x 60 x 23.2 mm
		Weight	157.5 g
		ECG cable	One-piece snap type with AHA code or IEC code

Note: The disposable ECG electrode is not included in the packing

Wireless Ultrasound

Part Number	Product Description	Spec	
96PD-01024	LeSONO Wireless Ultrasound LU700C	Scanner Type	Convex
		Frequency	2-5 MHz
		Max. Depth	18 cm
		Number of Element	128
		FOV	60°
		Pitch	326 µm
		Elevation Focus	8 cm
		Presets	Abdomen/Abdomen Difficult/Renal/GYN/OB Mid Late/OB Early/Bladder Meas.
		Image Mode	B mode, M mode
		System	12 bit ADC with sample rate 50MHz; 32 channel ADC system
		Transmission	Wi-Fi (IEEE 802.11 b/g/n)
		Charging/Operating Time	5-6 hr/4 hr
		Dimension	187 x74 x 40 mm
		Weight	388 g
		Mobile Platform	Works with AIM-58 Android medical tablet (PN: AIM-58CT-13101000)
96PD-01025	LeSONO Wireless Ultrasound LU700L	Scanner Type	Linear
		Frequency	5-10 MHz
		Max. Depth	6 cm
		Number of Element	128
		Pitch	300 µm
		Elevation Focus	2 cm
		Presets	Peripheral Vessels/Thyroid/Breast/Superficial/MSK/Carotid
		Image Mode	B mode, M mode
		System	12 bit ADC with sample rate 50MHz; 32 channel ADC system
		Transmission	Wi-Fi (IEEE 802.11 b/g/n)
		Charging/Operating Time	5-6 hr/4 hr
		Dimension	178 x74 x 40 mm
		Weight	357 g
		Mobile Platform	Works with AIM-58 Android medical tablet (PN: AIM-58CT-13101000)

Note: The ultrasound transmission gel is not included in the packing