

Medical & Healthcare Solution

Enhance Healthcare with Innovative Technologies
and Improve Working Efficiency



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Avalue provides a wide range of innovative smart healthcare solutions, including both hardware and total solution packages. By leveraging cutting-edge technologies, Avalue aims to optimize existing workflow for medical staff and achieve a more satisfactory healthcare experience for patients.

Our smart healthcare solution integrates various applications, such as bedside infotainment, patient and room information display, ePaper, telemedicine, OR imaging, life science, rehab, and AI-ready solutions. Through the integration of these applications, healthcare administrators are empowered to improve overall operational efficiency and enhance each patient's experience.



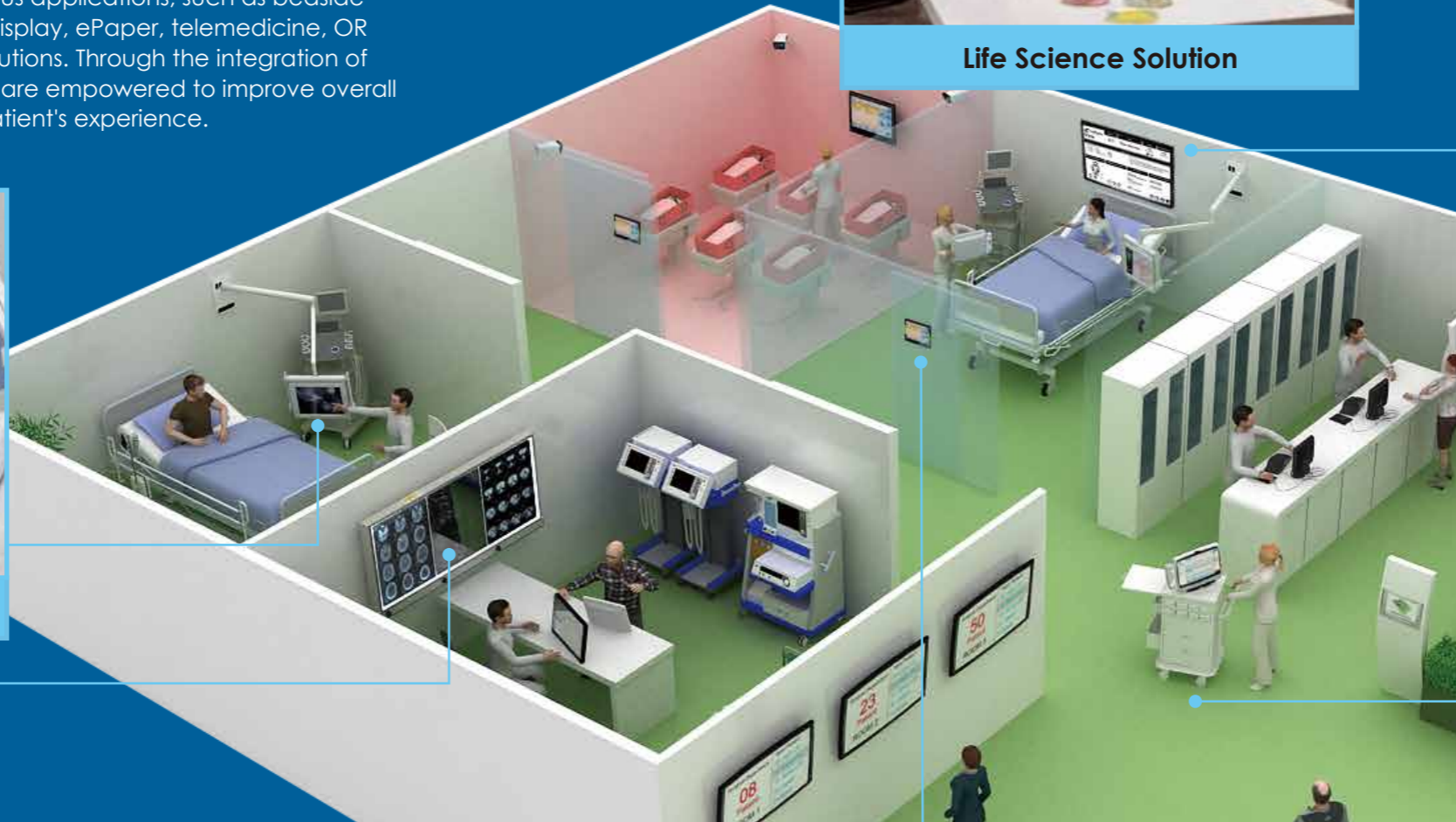
Life Science Solution



ePaper Solution



Bedside Infotainment Solution



Rehab Solution



OR Imaging Solution



AI Ready Solution



Patient & Room Information Display



Telemedicine Cart Solution



Bedside Infotainment Solution

The bedside infotainment is to enhance the patient experience and provide them with access to a range of entertainment options and useful information during their hospital stay.

Benefits of Bedside Infotainment



Enhanced Patient Experience

Patients can personalize their entertainment choices, allow patients to provide feedback and complete surveys about their hospital experience.



Improved Communication and Connectivity

Enable patients to stay connected with their loved ones through video calls, messaging, or email.



Patient Education and Empowerment

Provide patients with access to educational content and health information resources.



Efficient Delivery of Care

Streamline healthcare processes, improving the efficiency of care delivery. can be integrated with EHR systems, allowing healthcare providers to access patient information, test results, and treatment plans directly from the bedside system.



Multilingual Support

Provide multilingual support, allowing patients to access content and receive information in their preferred language.



Remote Consultations and Telemedicine

Facilitate remote consultations and telemedicine services, allowing patients to have virtual appointments with healthcare professionals without leaving their beds.

Applications



Ward



Nursing Home



Dental Clinic



Our Solutions

One stop shopping for every thing you need...

Terminals

- Full Range Models Atom/ Celeron/ Core-i7
- Touch Screen
- TV/ Internet/ VOIP Phone
- Anti-microbial Design
- Medical Grade Safety

Mounting

- Mounting Arm/ Stand/ Moving Table
- Extended Cables

Management

- Administration Software
- Services/ Content Management
- Security Control

Software

- Patient Entertainment
- Vital Sign Monitoring
- Food Ordering
- VOIP Video/ Audio Phone Services
- Compatible with Accredited Independent Software Vendor (ISV) Companies' Software

Back-End Services

- Administration Servers
- Server OS License
- VOIP, Media Servers, etc.



CAXA0
10.1" Semi-Rugged Tablet
Intel Celeron N3350
MIL-STD-810G & IP65 certified



APC-15WR2
15.6" Medical Panel PC
Rockchip RK3568 Quad-core
Cortex-A55 2.0GHz, Mali-G52 GPU



HID-2138
21.5" Medical Panel PC
Intel 11th Gen Tiger Lake U
Core Processor



ALW21L
Bedside Arm
Support weight 6~12 kg
Suitable panel sizes 15"~24"



Patient & Room Information Display

The multifunctional touch panel computers integrate system interface, transmission, storage, and communication functions.



Touch Button



Antibacterial



LED Controllable



NFC



Camera

Functional touch panel PC

Versatile applications from digital signage, interactive multi-media display to conference room management

- Thin and light with an elegant design
- Programmable LED indicator lights on both sides of the frame
- Enable video communication at any time, guest ID verification, and data transmission with other NFC devices
- Multi-touch projected capacitive (PCAP) touch technology for highly responsive sensing

Application Example

RED shows busy rooms and GREEN shows available rooms. It can be mounted on the glass wall. Users can schedule and confirm any event or meeting room appointment



Applications



Examination Room Status

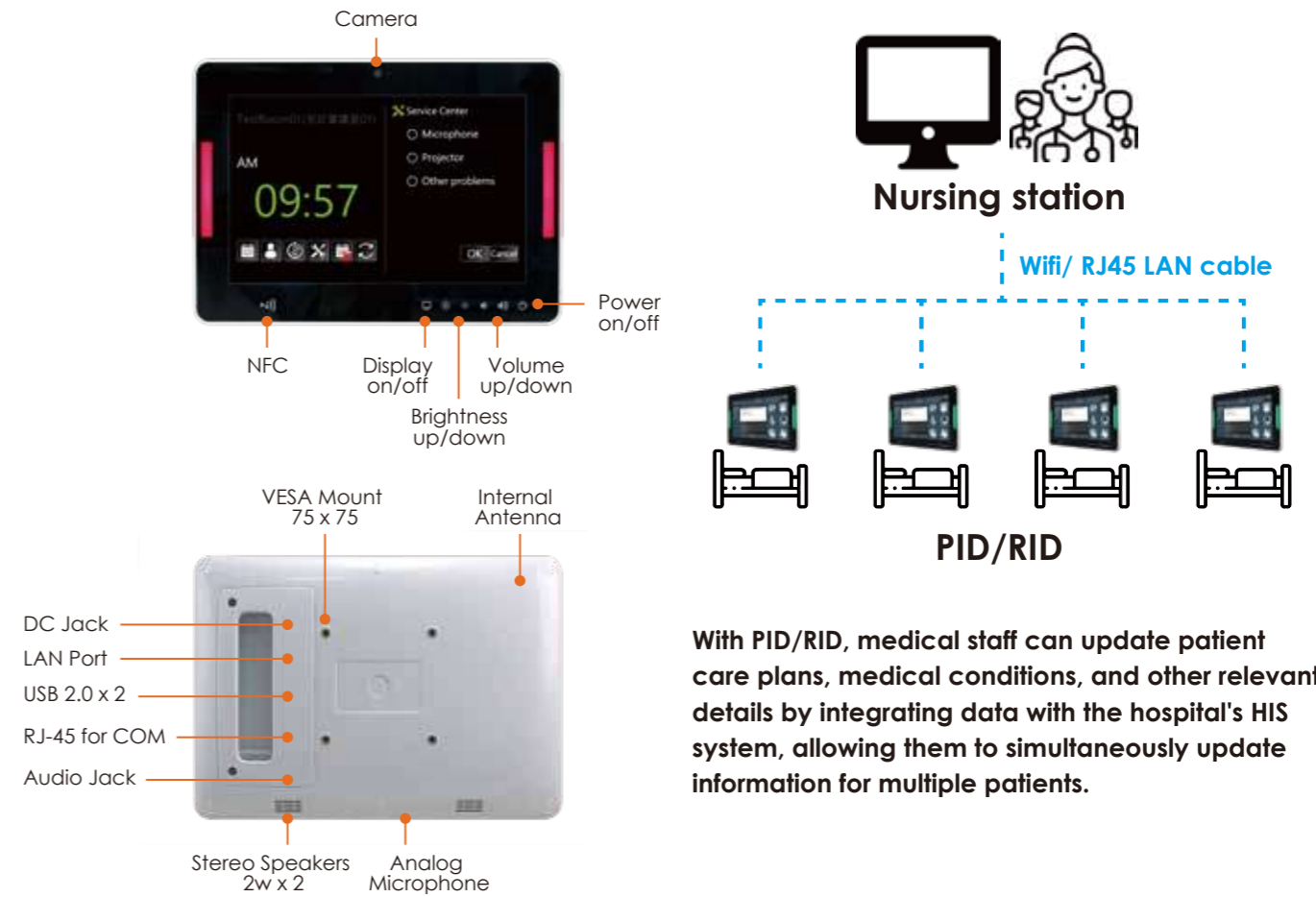


Ward/ Patient Status



Open-space/ Meeting Room Booking Status

Structure and How it Works



With PID/RID, medical staff can update patient care plans, medical conditions, and other relevant details by integrating data with the hospital's HIS system, allowing them to simultaneously update information for multiple patients.



VNS-10W01
10.1" ultra slim Panel PC
Intel® Atom™ x5-Z8350 Processor
2M Cache, up to 1.92 GHz



VNS-10WR2
10.1" ultra slim Panel PC
Rockchip RK3568 Quad-core
Cortex-A55 2.0GHz, Mali-G52 GPU



ePaper Solution

Applications



Communication Board



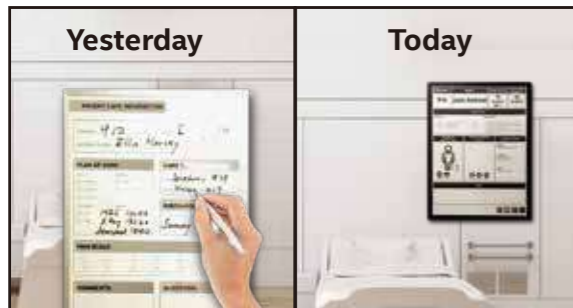
Hospital Bulletin/ Signage



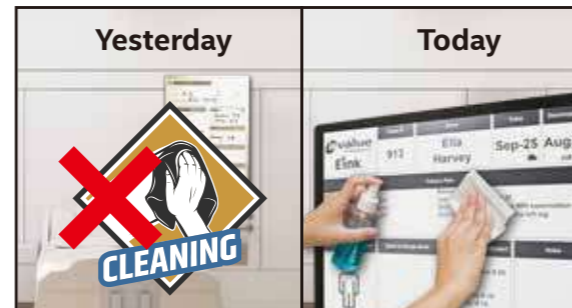
Digital Notepad

Benefits of ePaper

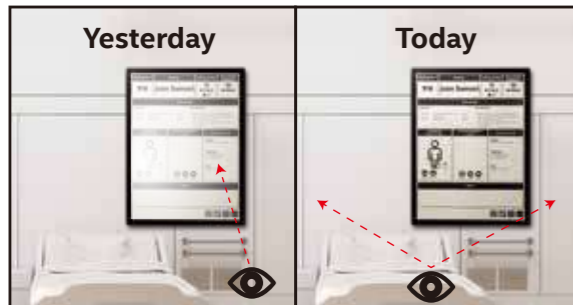
Paper-like Display Revolution of the New Technology



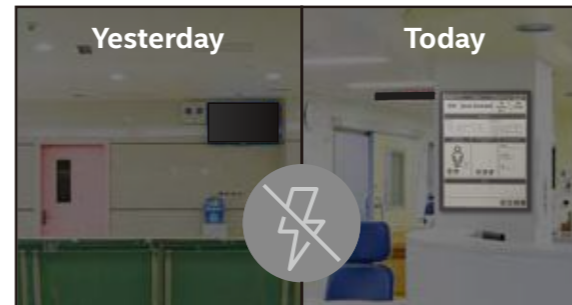
Digitalization - Digitize Traditional Content & Auto Update



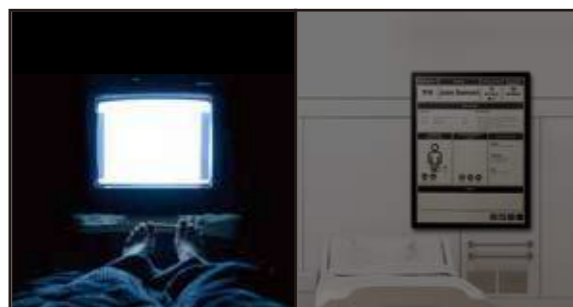
Sterilization - The Board allows for a dust free update and can easily be sterilized



Eye-friendly - Wide viewing angle, high contrast with non-glare background



Power saving - Always on during power outages



No disturbing at night - ePaper Solution does not emit any light and the board will not disturb patient's rest or sleep



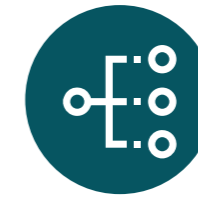
Easy installation - The Board is lightweight, as easy as hanging a picture on the wall

Avalue ePaper Solution



Hardware Customization Services

- Outdoor solution
- Chassis type
- Shatter Proof



Various Optional Function

- Front light
- PCAP
- WiFi/ LTE



Software Services

- Demo Apps
- SDK
- API

Communication Board

- 42" Black And White Panel, 16 Level Grey Scale
- True Flat Front Panel
- Dual mPCIe Expansion Slot
- PCAP Touch
- LAN/ Wi-Fi/ LTE Support

Information Bulletin

- 31.2" E Ink Black And White, 16 Grey Scale
- True Flat Cover Glass, Optional PCAP Touch
- Slim Bezel Design
- Support WiFi/ LTE Module
- Optional Open Frame/ PCAP Touch/ Front Light Module

Colorful Signage

- 25.3" E Ink Spectra Black/ White/ Red/ Yellow
- 25.3" E Ink Gallery™ Plus Full Color 55K (Typ.)
- Front Cover Glass, Support IP54
- Super Slim Bezel Design
- Support Linux kernel 5.16 E Ink SDK/ API Support

eNote Tablet

- 13.3" Black And White Panel, 16 Level Grey Scale
- Extremely Thin and Light High-Contrast Display
- Up To Three Weeks Use On a Single Charge
- Convenient Tool For Writing, Highlighting, Erasing





Telemedicine Cart Solution

Avalue's telemedicine cart solution is designed to create a connected care network that spans across various healthcare settings, including remote patients, hospitals, care facilities, and community clinics.

By combining state-of-the-art hardware and software components, Avalue's telemedicine cart solution empowers healthcare professionals to attend to patients' needs remotely, effectively bridging the distance between patients and caregivers. It enhances the accessibility and efficiency of healthcare services, ultimately improving patient outcomes and overall healthcare delivery.

- Medical grade compliance
- Flexible optional accessories
- Agile design to fit in any situation



Applications



Tele-ICU/
Isolation Room



Rural Healthcare
Outreach



Tele-Rehabilitation

Medical Mobile Cart



* System configurable TDP-down to optimize power and performance for better battery runtime.

PTZ Camera



- 30X+ Optical Zoom
- One-Button Snapshot
- Handheld Camera Head
- IR for Night View
- One-Click Pan-Tilt
- Medical Certifications

Medical Panel PC



- FHD LCD Panel
- High Performance CPU
- Medical Certified
- Infection Control
- Front Panel IP65
- Fanless Design

Expansion Power Bank



- Slim & Light Weight
- Rechargeable Battery
- Hot Swappable
- 12V / 19V Output
- VESA Mount
- Management Tool

HID-2340
23.8" Medical Panel PC
Intel® 12th Gen. Alder Lake Core i Processor

HID-2138
21.5" Medical Panel PC
Intel® 11th Gen. Tiger Lake Core i Processor



AI Ready Solution

Avalue understands that AI technology going to change our lives in many ways. We have offered the product from high-performance computing (HPC) to help customers complete their own AI model or some heavy-duty computing. Avalue also offers Edge Computing products for customers who need quick responses and distributed computing structure. With the high computing power, we are able to accelerate the AI model in various platforms including Windows and Linux to support much different Deep learning frameworks such as TensorFlow, ONNX, Caffe, and PyTorch.

Mainstream AI Platform

- Comprehensive Products & Services
- Development Tools
- Windows and Linux Support



Partner with AI SW SI/ISV

- Build Accessible Solution & PoC Demo Sites
- Complete R&D Design Documents for FDA & CE MDR



Empowering Business Value in AI World

Complete AI Platform

- From core to xeon
- Server to Compact Box with Graphics
- Cloud/On-premises to Edge Computing

Edge

Compact Box with Graphic Engine



Near Edge

Box PC with GPU Card



Cloud

Tower / Rack Mount Server



Applications



Medical Inference



Precision Medicine



Predictive Healthcare



HPS-SRSU4A
HPC 4U Rackmount Server
Single 4th Gen. Intel® Xeon® SP Processors Tower Workstaion



MAB-T600
Expandable Box System
Support 12th Gen. Intel® Processor Medical Certification Ready



NUC-TGU
Fanless Compact System
Intel® 11th Tiger Lake-U Processor Intel® Iris® Xe/ UHD Graphics



AIB-NW
Fanless Compact System
Compatible with NVIDIA® Orin NX & Orin Nano



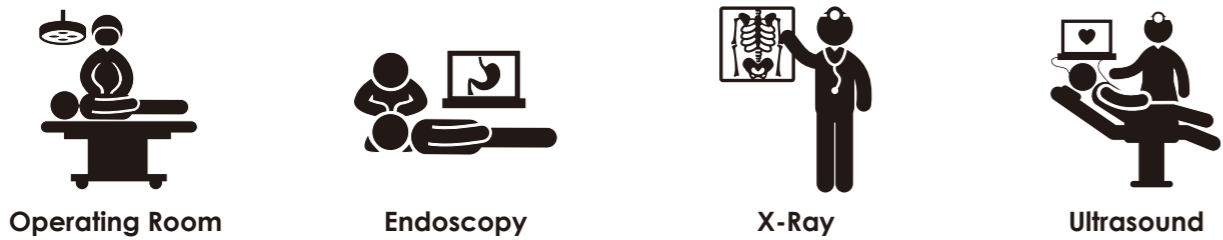


OR Imaging Solution

The use of medical imaging solutions has revolutionized the way healthcare is delivered and has significantly improved patient outcomes by enabling faster, more accurate diagnosis and treatments.

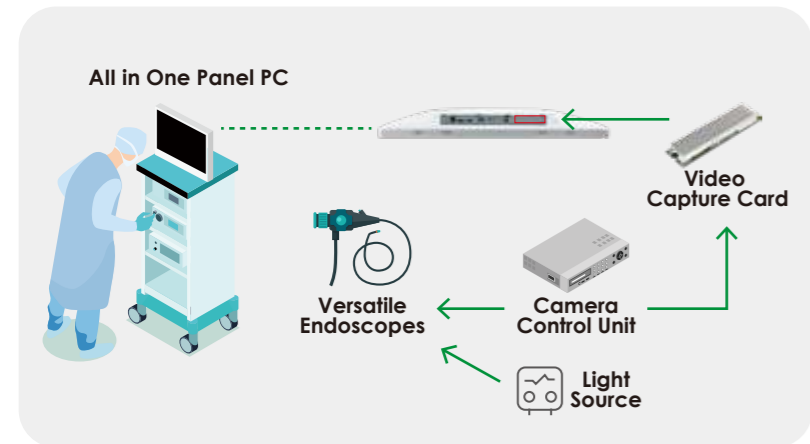
Medical Imaging Solutions

We provide high-resolution, color-calibrated, and high-brightness medical displays for different kinds of medical solutions:



Medical Image Capture & Video Integration

Our medical panel PC and medical AI box supports SDI/HDMI or USB connector to fulfill various type of devices



- Enabling healthcare professionals to visualize and diagnose a wide range of medical conditions and diseases faster and more efficient
- Integrating multiple medical equipment images without latency
- Easy recording, replaying and archiving the streaming video

Applications



OR Theaters



ICU



Recovery Rooms

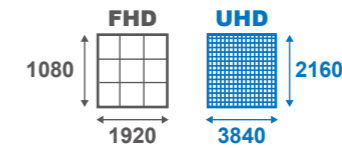


Pre-Op Rooms

Features of OR Imaging Solution



DICOM Compliant for Accurate and Consistent Image Quality



FHD, UHD Grade High-resolution



IPS Technology Based Wide Viewing Angle



Brightness Leveling/Auto Luminance Stabilizer Technology



Multi-modality Approach



Capture Card Expansion



HID-2340
+ Capture Card
23.8" Medical Panel PC



GMD-55/32
55"/ 32" Operating Room Solutions



GMD-24
24" Endoscopic Solutions



HID-2100
21.5" Touchscreen Monitor



GMD-21
21.5" Ultrasound Solutions



MAB-T600
Expandable Box System



Life Science Solution

The Avalue open frame solution features a robust Intel or ARM processor, and offers a range of display sizes from 7" to 21.5" along with multiple connectivity options. It is well-suited for precision control of biological experiments such as temperature and humidity adjustments, as well as monitoring tasks like DNA sequencing, protein composition, and cell incubation.

Benefits of Life Science Solution



Easy Installation

All in one and without chassis, it can be mounted onto lab equipment, walls, or custom enclosures for flexible installation.



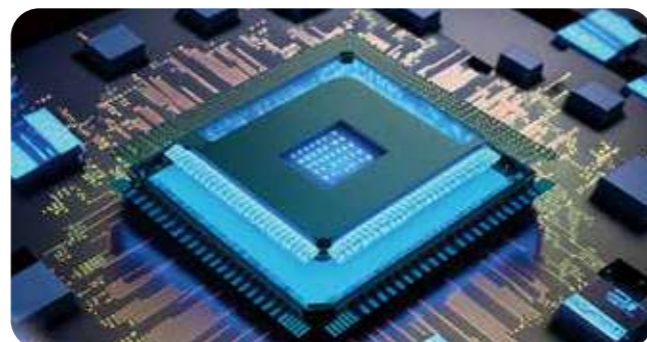
Chemical Resistance

Open frame panel computers with surface anti-chemicals prevent pollutants from adhering, ensuring a clean and hygienic environment.



Connectivity Options

Multiple connectivity options (USB, Ethernet, HDMI, serial ports) facilitate integration with lab equipment, data acquisition devices, and peripherals.



Compatible with Different OS

Providing flexibility and scalability to suit a variety of different experimental and application needs.

Applications



Biology Analysis



Ophthalmology & Optometry



Laboratory Equipment Monitoring System

User-centered Design



Slim Design Full Flat Screen P-Cap Touch Dual Display Rich I/O

Various Platform/ Sizes to Choose

- 7" to 21.5" Touchscreen
- Rockchip, Intel Atom to Core i



Easy Mounting Solutions

- Panel Mount Kit
- Wall Mount Kit
- Extended Bracket



Multi-OS Support

- Android
- Linux
- Windows



OFT-xxWR2 Series
7"/10.1"/21.5"
Open Frame Tablet
RockChip RK3568 Cortex-A55,
Quad Core up to 2.0GHz



OFT-xxW04 Series
10.1"/15.6"/21.5"
Open Frame Tablet
Intel® Celeron™ Processor J3455



OFP-07W33
7" Open Frame Tablet
Intel® Celeron® N3350/J3455
SoC BGA Processor

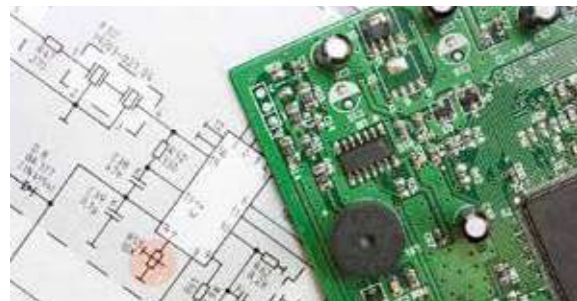


OFP-15W38/ OFP-21W38
15.6"/21.5" Open Frame Tablet
Intel® Core™ SoC i7/i5/i3 &
Celeron® BGA Processor



Rehab Solution

The aging society is an unstoppable trend in the world. The continued aging of the population structure will lead to rising demand for medical and health care, a growing shortage of nursing labor and related costs. Only by creating an integrated solution through technological research and development can the quality of life of the elderly be effectively guaranteed and the impact of the aging society be mitigated. Avalue provides customers with this embedded system solution suitable for rehabilitation equipment with the innovation gene and related design experience of the high-tech industry.



One-Stop Services

we provide customers with a one-stop service from product specification, design, production, inspection, manufacturing, assembly, shipment to maintenance. Dedicate to customer's success is our goal.



H/W Platform Support

we can provide customers with embedded products from High-end-Home, light commercial to commercial grade, to meet any needs of customers in the market.



S/W Customized UI Design

we can follow client's flowchart of UI for S/W customization design and fine-tune the user experience and flow for usability.

Applications



Exercise Rehabilitation



Recovery Home



Nursing Home



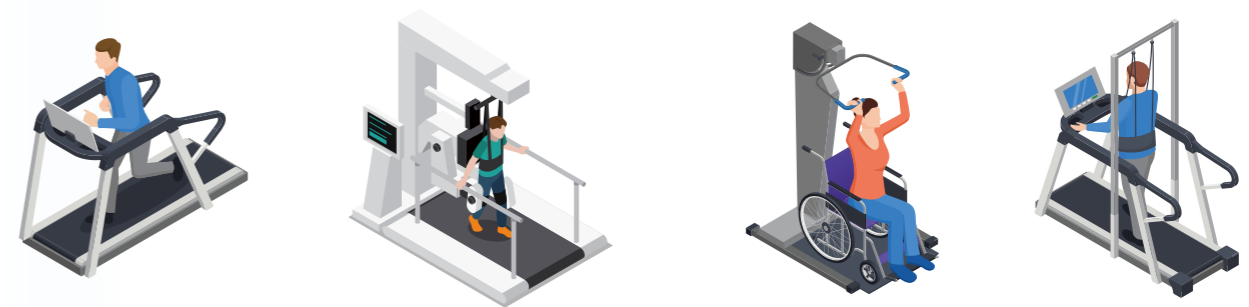
Peripheral Device Integration

we can provide customers with high-quality and stable products by integrating various module devices and related technologies.



System Maintenance

We can provide customers with BSP and API to develop their own UI software, or maintain by the Avalue team to provide overall software update support services.



OFR-15WMX
15.6" Open Frame Tablet
MTK i350 Quad-Core
Cortex-A53 2.0GHz



OFR-21WMX
21.5" Open Frame Tablet
MTK i350 Quad-Core
Cortex-A53 2.0GHz

AI Server / Box PC



Model Number	HPS-SRSU4A	Model Number	MAB-T600	Model Number	NUC-TGU	Model Number	AIB-NW
Processor (CPU Type)	Intel® LGA4677 Socket supports 4th Gen. Intel® Xeon® Scalable Processor (Max. TDP at 250W)	Processor	Intel® 12th/13th Gen Core™ i9/i7/i5/i3/Pentium®/Celeron® Processor		11th Generation Intel® Core™ i7/ i5/ i3 BGA Processor		Nvidia Jetson Orin NX or Orin Nano module
Chipset	Intel® C741 Chipset	System Memory	2 x DIMM slots support Dual Channel DDR5 memory speed up to 4800MHz with UDIMM, up to 64GB		1 x 260-pin SODIMM socket Max. up to 64GB DDR4 3200 MT/s		
Memory	6 x DDR5 4800/ 4400 MHz RDIMM up to 1.5TB	Expansion	1 x Gen 5 PCIe x16 (x16 Physical Black)(Slot 1) 1 x Gen 3 PCIe x1(x4 Physical Open Ended)(Slot 2) 2 x Gen 3 PCIe x1 (x16 Physical Yellow)(Slot 3 & 4)		1 x M.2 (Key-M, 2280) 1 x M.2 (Key-B, 2242/3024/3052, w/SIM Slot) 1 x M.2 (Key-E 2230)		1 x M.2 B-key socket for 3042/3052 5G module, 1 x M.2 E-key socket for 2230 WIFI/BT module 1 x Micro SIM slot
Storage	External: 1 x 5.25" storage bay 3 x Front accessible 2.5" storage bay	Storage	1 x M.2 M-Key 2242/2280/22110 NVMe (PCIe x4 + SATA III) 1 x M.2 E-Key 2230 with CNVi Support (PCIe x1 share with slot4 + USB 2.0) 2.5" Drive Bay 2 x 2.5" HDD/SSD Drive 2 x 3.5" HDD/SSD Drive 1 x 2.5" HDD/SSD & 1 x 3.5" HDD/SSD Drive		1 x M.2 (Key-M, 2280, NVMe) 1 x M.2 (Key-B, 2242)		1 x M.2 M-key socket for 2242/2280 NVMe SSD
IPMI	IPMI 2.0	USB	2 x USB 2.0 Type A 4 x USB 3.2 Type A		4 x USB 3.2 Gen.2, 2 x USB 2.0		4 x USB3.0 Type A
Expansion Slots	Slot 1, PCIe 5.0 x16 Slot 2, PCIe 5.0 x4 Slot 3, PCIe 5.0 x16 Slot 4, PCIe 5.0 x4 Slot 5, PCIe 5.0 x16 Slot 6, PCIe 5.0 x4 Slot 7, PCIe 5.0 x16 (Slot 7 is the slot closest to CPU)	COM Port	N/A		2 x RS-232/422/485 (BIOS)		2 x DB9 (Switch by Jumper to RS-232 or RS485)
LAN	5 x RJ45 MGMT port for dedicated IPMI access only. LAN1 port for 1GbE shared with IPMI access. LAN2 port for 2.5GbE LAN3 and 4 ports for 10GbE (Option)	Other	70 x 70 x 15mm fan (TBD)		1 x Power on/off Button w/ LED 1 x LED for Storage/ WLAN/ WWLAN 4 x Antenna Mounting with Dust Cover 1 x Kensington Lock		1 x NVIDIA Ampere architecture HDMI Type A
USB	Front: 2x USB 3.2 Gen1 Port Rear: 4x USB 3.2 Gen1 Port + 2x USB 2.0 type A Port	Display	1 x HDMI 2 x DP++		2 x HDMI 2.0b: Max. Resolution 4096 x 2304 @ 60Hz		1 x NVIDIA Ampere architecture HDMI Type A
Display	AST 2600 BMC Controller	Audio	Line-out, Mic-in		Realtek Audio code 1 x Mic-in, 1 x Line-out		
Display Resolution	1 x VGA Port VGA: 1920 x 1200 @ 60Hz 32bpp	Ethernet	LAN 1 Intel® I219-V Gigabit Ethernet Controller LAN 2 Intel® I225-LM 2.5 Gigabit Ethernet Controller		1 x Intel I225LM, 1 x Intel I219LM		2 x Gigabit LAN
Cooling Fan	1x 120 x 25mm Front Fan 2x 80 x 25mm Rear Fan	Power Connector	Depend on M/B		Lockable DC Jack		Terminal Block
Power Supply	1 x 1300W PS2 ATX PSU	Power Requirement	AC 100-240V in 500W ATX Power Supply (Medical grade)		+12V		10VDC ~ 24VDC
Operating Temp.	0°C ~ 40°C (32°F ~ 104°F)	Power Mode	AT/ATX Mode (Default: ATX mode)		ATX		
Dimension (W x H x D)	482.6mm x 174.8mm x 528mm with ear mount	Adapter	N/A		Input: 100 ~ 240Vdc/ 50 ~ 60Hz Output: 120W Adapter (12V @ 10A)		
Form Factor	19" 4U Rackmount	Operating Temperature	0 ~ 40°C (32°F ~ 104°F) w/ SSD, ambient w/ 0.5m/s air flow		With extended temperature peripherals w/ air flow: 0°C ~ 50°C (32°F ~ 122°F)		-20°C ~ 60°C
OS	Windows 10 IoT Enterprise LTSC 2021. Windows 11 IoT Enterprise. Windows Server IoT 2019 with VT-d disabled. Windows Server IoT 2022. Ubuntu 20.04 LTS or later Red Hat Enterprise Linux (RHEL) 8.2 & later	Construction	Plastic + Metal		Aluminum + Metal		
		Mounting Kit	N/A		Stand/ Din Rail/ VESA		
		Dimension (L x W x H)	330.2 x 341 x 160 mm		6.69" x 4.92" x 1.42" (170 x 125 x 36 mm)		125mm x 196mm x 66.1mm (w/o wall mount bracket)
		Weight	TBD		1kg		
		Certification	CE, FCC Class B, IEC-60601-1		CE, FCC Class B		CE, FCC

ePaper



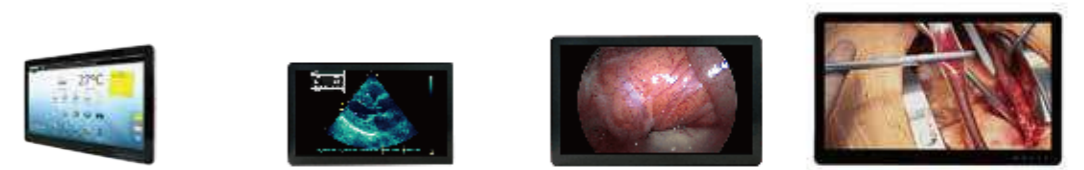
Model Number	EPD-42T	EPD-4200	EPD-3133	EPD-2501	ENT-13T1
LCD Size	42"	42"	31.2"	25.3"	13.3"
Resolution	H: 2160 x V: 2880	H: 2160 x V: 2880	H: 2560 x V: 1440	H: 3200 x V: 1800	H: 1650 x V: 2200
Viewing Angle	180 (U), 180 (D), 180 (L), 180 (R)	180 (U), 180 (D), 180 (L), 180 (R)	180 (U), 180 (D), 180 (L), 180 (R)	180 (U), 180 (D), 180 (L), 180 (R)	180 (U), 180 (D), 180 (L), 180 (R)
Touch Type	Projective Capacitive	Cover Lens only	Projective Capacitive	Cover Lens only	Projective Capacitive
Processor	NXP i.MX 7Dual Processor / Dual Arm® Cortex®-A7 Cores And Cortex-M4	none	Onboard Intel® Celeron® SoC BGA Processor N3350 (Apollo Lake Platform)	Onboard Intel® Celeron® SoC BGA Processor N3350 (Apollo Lake Platform)	88iAP140A0-BTY2C012T404 (Cortex-A53 1.2GHz x 4 core)
System Memory	On-Board 2GB DDR3L	none	1 x 204-Pin DDR3L 1866MTs SO-DIMM up to 8GB	1 x 204-Pin DDR3L 1866MTs SO-DIMM up to 8GB	2GB DDR3L
Wireless	M.2 Wi-Fi/ BlueTooth module (Optional)	none	mPCIe Wi-Fi/ BlueTooth module (Optional)	mPCIe Wi-Fi/ BlueTooth module (Optional)	Wi-Fi/ BlueTooth module
Storage	On-Board 8GB eMMC	none	2.5" SATA3 SSD 64GB	2.5" SATA3 SSD 64GB	16GB eMMC NAND Flash memory Approx. 10.86GB free storage
External I/O Connector	2 x USB 2.0 (Edge I/O) 1 x Micro USB for USB OTG 1 x RJ-45 connector for Gigabit Ethernet	1 x USB 1.1	4 x USB 3.1 (Gen1 5Gbps) 1 x DB-9 male connector for COM1 2 x RJ45 LAN port 2 x HDMI (1.4b): Max. Resolution 3840 x 2160 @ 30Hz	2 x HDMI 1 x COM 2 x LAN 4 x USB 3.1 (Gen1)	1 x USB
Power Requirement	DC +12V	DC+12V	DC +19V	DC+12V	Lithium-Ion polymer battery (2000mAh)
Power Type	AT	none	AT/ATX	AT/ATX	ATX
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 50°C (32°F ~ 122°F)	0 ~ 50°C (32 ~ 122°F)	0°C ~ 40°C (32°F ~ 104°F)	5°C to 35°C (41F to 95F)
Storage Temperature	-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)	0 ~ 40°C (32 ~ 104°F)
Operating Humidity	40°C @ 95% Relative Humidity, Noncondensing	40°C @ 95% Relative Humidity, non-condensing	40°C @ 95% Relative Humidity, Noncondensing	40°C @ 90% Relative Humidity, Non-condensing	40°C @ 95% Relative Humidity, Noncondensing
Software Support	Android 5.1 (default)/ Linux 4.15 (Yocto 2.1)	none	Android 8.1 (default) Windows 10 IoT	Android 8.1 (default) Windows 10 IoT	Android 5.1
Dimension	918.8 x 704.6 x 37.6 mm	934.2 x 704.6 x 39 mm	750 x 445 x 36.7 mm	607 x 350 x 38.8mm	302.6 x 224 x 5.7 mm
Weight	7.5 kg	11.4kgs	7.2 kg	4.4 kg	0.352 kg
Certification	CE, FCC Class B	FCC Class B & CE (EN 55032 & 55035) ESD level 3	CE, FCC Class A	CE / FCC Class B	FCC, VCCI

Medical AIO



Model Number	HID-2132	HID-2138	HID-2334	HID-2340
LCD Size, Display Type	21.5", Full HD	21.5", Full HD	23.8", Full HD	23.8", Full HD
Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Pixel Pitch	0.248 x 0.248	0.248 x 0.248	0.274 x 0.274	0.274 x 0.274
Luminance	250 cd/m ²	250 cd/m ²	250 cd/m ²	250 cd/m ²
Contrast Ratio	1000	1000	3000	3000
Viewing Angle	89 (U), 89 (D), 89 (L), 89 (R)	89 (U), 89 (D), 89 (L), 89 (R)	89 (U), 89 (D), 89 (L), 89 (R)	89 (U), 89 (D), 89 (L), 89 (R)
Response Time	22 ms	22 ms	16 ms	16 ms
Backlight	LED	LED	LED	LED
Touch Type	Projective Capacitive	Projective Capacitive	Projective Capacitive	Projective Capacitive
Touch Light Transmission	89%	89%	86%	85%
Touch Controller	USB interface, EETI	USB interface, EETI	USB interface, EETI	USB touch (EETI H8851A)
SBC	ARC-SKLU	HID TGLP Mother Board	HID-2334 M/B + Charger board	HID-2340 Mother Board
Processor	6th Gen Intel® Core™ i7/i5/i3/Celeron processor	11th Gen Intel® Core™ i7/i5/i3/Celeron Processor	7th Generation Intel® Kaby Lake Core™ i7/i5/i3/ Celeron® Processor	12th Generation Intel® Core™ i7/i5/i3/ Celeron Processor
I/O Chipset	EC ITE IT8528E	EC ITE IT8528E	EC ITE IT8518E	IT5782VG
System Memory	1 x 260pin SODIMM socket up to 16GB DDR4 2133 SDRAM	2 x 260-pin DDR4 3200 MHz SO-DIMM socket up to 64GB Max	2 x 260pin SODIMM socket up to 32GB DDR4 2400 SDRAM	One 262-pin DDR5 4800MHz SO-DIMM socket, supports up to 32GB Max (Min 8GB)
Expansion	1 x Full Size (support half size, Auto switch for mSATA, USB, PCIe signal)	Optional PCIe low profile card x 1 Optional M.2 storage x 1 Optional M.2 5G Module x 1	1 x M.2 (Key E, 2230) with PCIe x1, CNVI and USB2.0 for Wireless 1 x mini PCIe with SATA or PCIeEx1, mSATA	1 x M.2 Key B 3042/3052/2280 1 x M.2 Key E for WIFI 1 x IET expansion
Storage	1 x 2.5" SATA3 SSD	1 x M.2 Key-B 2242/3042/2260 for storage	1 x 2.5" SATA3 SSD	1 x M.2 Key M storage (optional) 1 x 2.5" SSD (optional)
USB	4 x USB 3.0, 2 x USB 2.0 by pin header 1 x USB 2.0 (Isolated 5KV)	2 x USB 2.0 2 x USB type C	4 x USB 3.0	3 x USB 3.0 1 x USB Type C 1 x Isolation 5-kV USB1.1 (by IET module)
COM Port	1 x RS-232/422/485, 1 x RS-232 1 x RS-232 (Isolated 5KV)	Optional	N/A	1 x RS-232/422/485 1 x Isolation 5-kV RS-232/422/485 (by IET Module)
Other	Option 5.0M AF camera Optional Barcode Scanner Optional NFC Optional Handset	Option 5.0M AF camera Optional Barcode Scanner Optional NFC Optional Handset	Dual LED Reading Light Bar, I/O Cover Option for 2x 6900mAh hot swappable batteries and 4 slot charging bay Option for 5.0M auto focus camera with cover	Optional 802.11abgn + acR2 + axR2 Wi-Fi 6E BT5.2
Display Chipset	Intel® HD Graphics 520	Intel® 11th Generation CPU integrated	Intel® HD Graphics 620	
Audio	Realtek ALC888S	Realtek ALC888S	Realtek ALC888S	Realtek ALC888S
Audio Interface	2 x 0.5W	Line-out, Mic-in, 2 x 2W Speaker	2 x 2W	2 x 2W
Ethernet	1 x Intel® I219LM, 1 x Intel® I211AT 1 x Intel® I210AT (Isolated 5KV) on IET module	1 x Intel® I219LM Gigabit Ethernet PHY 1 x Intel® I226LM Gigabit Ethernet PHY	1 x Intel® I211AT 1 x Intel® I219LM	1 x Intel® I219LM 1 x Intel® I226LM 1 x Isolation 5-kV Intel® I210AT (by IET Module)
Adapter	AC/ DC medical power adapter Output: 90W Adapter (19V/4.74A Adapter)	AC/ DC medical power adapter Output: 120W Adapter (24V/5A Adapter)	AC/ DC medical power adapter Output: 120W Adapter (24V/5A Adapter)	Medical grade Input: 100-240V~, 2.0-1.0A, 50-60Hz Output: 120W Adapter (24V/5A Adapter)
Construction (Front, Rear)	Plastic, Plastic	Plastic, Plastic	Plastic, Plastic	White Plastic, White Plastic
Dimension	539.6 x 342.6 x 45.2 mm	539.6 x 342.6 x 45.4 mm	380 x 587 x 45.5mm	TBD
Weight	6.2 kg	4.8 kg	6.9 kg (without batteries)	TBD
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)	-10°C ~ 60°C (14°F ~ 140°F)	-30°C ~ 70°C (-22°F ~ 158°F)	-30°C ~ 70°C (-22°F ~ 158°F)
Certification	CE, FCC Class B, UL60601-1 4th edition	CE, FCC Class B, UL60601-1	CE, FCC Class B, UL60601-1 4th edition	CE : IEC/EN60601-1-2 FCC : Part 15 Class B UL60601-1
OS Information	Win 7/ 10/ Linux	Win 10/ Linux	Win 10/ Linux	Win10 64bit, Linux

Medical Display



Model Number	HID-2100	GMD-24	GMD-32	GMD-55
LCD Size, Display Type	21.5", Full HD	24", WUXGA	32", UHD	55", UHD
Resolution	1920 x 1080	1920 x 1200	3840 x 2160	3840 x 2160
Luminance	250 cd/m ²	300 cd/m ²	600 cd/m ²	500 cd/m ²
Contrast Ratio	1000	1000	4000	4000
Viewing Angle	89 (U), 89 (D), 89 (L), 89 (R)	89 (U), 89 (D), 89 (L), 89 (R)	89 (U), 89 (D), 89 (L), 89 (R)	89 (U), 89 (D), 89 (L), 89 (R)
Response Time	22 ms	14 ms	12 ms	8.5 ms
Backlight	LED	LED	LED	LED
Touch Type	Projective Capacitive	Projective Capacitive	Projective Capacitive	Projective Capacitive
I/O Port	HDMI input DP input VGA input DC output	1 x VGA 1 x DVI 1 x HDMI 1 x Display Port	1 x VGA 1 x DVI 1 x HDMI 1 x Display Port	1 x VGA 1 x DVI 1 x HDMI 1 x Display Port
Audio	RTD2525AR-CG integrated	-	-	-
Audio Interface	Line-out, Mic-in, 2 x 2W Speaker	-	-	-
Power Input	24V DC In	24V DC In	24V DC In	AC In
Construction	Plastic	Plastic	GM Metal	GM Metal
Dimension	539.6 x 342.6 x 45.5 mm	573.77 x 387.77 x 63.5 mm	761.2 x 465.6 x 61.5 mm	1314.6 x 785.4 x 85 mm
Weight	5.3 kg	7.4 Kgs	11.3 Kgs	46 Kgs
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)
Certification	CE, FCC Class B	CE (EN60601-1) FCC certified cTUVus certified	CE (EN60601-1) FCC certified cTUVus certified	CE (EN60601-1) FCC certified cTUVus certified

Open Frame Tablet



Model Number	OFT-07W33	OFP-15W38	OFP-21W38
LCD Size	7", 16:10	15.6", 16:9	21.5", 16:9
Resolution	1280 x 800	1920 x 1080	1920 x 1080
Luminance	300 cd/m ²	220 cd/m ²	250 cd/m ²
Viewing Angle	89(U), 89(D), 89(L), 89(R)	85(U), 85(D), 85(L), 85(R)	89(U), 89(D), 89(L), 89(R)
Touch Type	Projective Capacitive Multi-Touch supports up to 10 points	Projective Capacitive with Multi-Touch	Projective Capacitive with Multi-Touch
Processor	Onboard Intel® Celeron® N3350/J3455 SoC BGA Processor	Onboard Tiger Lake U 11th Intel® Core™ SoC i7/i5/i3 BGA Processor or Celeron® BGA Processor	Onboard Tiger Lake U 11th Intel® Core™ SoC i7/i5/i3 BGA Processor or Celeron® BGA Processor
System Memory	4GB DDR3L Memory (Option up to 8GB by One SO-DIMM socket)	4GB DDR4 Memory (Option up to 64GB)	4GB DDR4 Memory (Option up to 64GB)
Wireless	Option by Mini PCIe : 802.11a/b/g/n/ac Wireless LAN and Bluetooth 4.0+	Option by M.2 WIFI/BT Module	Option by M.2 WIFI/BT Module
Storage	64GB mSATA by mPCIe Slot	Default with 64GB M.2 (Option for SATA interface 2.5" HDD/SSD)	Default with 64GB M.2 (Option for SATA interface 2.5" HDD/SSD)
External I/O Connector	2 x Intel® I211AT 4 x USB 3.0 1 x HDMI 1 x RS-232 1 x DC Jack	3 x USB 3.1 Gen2, 1 x USB 3.1 Gen1 1 x RS-232 (default)/422/485 1 x Intel® I225IT 2.5 GbE 1 x Intel® I219LM GbE PHY 2 x DP++ 1 x Line-out, 1 x Mic-in 1 x Mini Din 4-pin DC Jack, 1 x Phoenix Connector for DC in 1 x Phoenix Connector for Reset	3 x USB 3.1 Gen2, 1 x USB 3.1 Gen1 1 x RS-232 (default)/422/485 1 x Intel® I225IT 2.5 GbE 1 x Intel® I219LM GbE PHY 2 x DP++ 1 x Line-out, 1 x Mic-in 1 x Mini Din 4-pin DC Jack, 1 x Phoenix Connector for DC in 1 x Phoenix Connector for Reset
Internal I/O Connector	1 x RS-232/422/485 2 x USB 2.0 1 GPIO 1 x Full Size Mini-PCIe support mSATA 1 x Half Size Mini-PCIe for option WIFI/BT	1 x RS232/422/485 (optional) 3 x RS232 (optional) 4 x USB 2.0 (optional) 1 x GPIO 1 x SIM card slot 1 x M.2 (2230) E-Key, support WiFi module/BT 1 x M.2 (2242) B-Key, support storage/5G module	1 x RS232/422/485 (optional) 3 x RS232 (optional) 4 x USB 2.0 (optional) 1 x GPIO 1 x SIM card slot 1 x M.2 (2230) E-Key, support WiFi module/BT 1 x M.2 (2242) B-Key, support storage/5G module
Power Requirement	+12V~26V DC in	DC in +12~24V	DC in +12~24V
Power Type	AT/ ATX (Default is AT Mode)	AT/ ATX (Default is AT Mode)	AT/ ATX (Default is AT Mode)
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F)	0°C ~ 45°C (32°F ~ 113°F)	0°C ~ 45°C (32°F ~ 113°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing	40°C @ 95% Relative Humidity, Non-condensing	40°C @ 95% Relative Humidity, Non-condensing
Software Support	Windows 10 IoT, Linux, x86 Android 8.1	Windows 10 IoT, Linux	Windows 10 IoT, Linux
Dimension	183.1 x 115.8 x 51.6 mm	387 x 235 x 48 mm	501.9 x 296.2 x 55 mm
Weight	1.1 kg	2.9 kg	5.2 kg
Certification	CE, FCC Class A	CE, FCC Class A	CE, FCC Class A

Open Frame Tablet



Model Number	OFR-15WMX	OFR-21WMX
LCD Size	15.6", 16:9	21.5", 16:9
Resolution	1920 x 1080	1920 x 1080
Luminance	220 cd/m ²	250 cd/m ²
Viewing Angle	85(U), 85(D), 85(L), 85(R)	89(U), 89(D), 89(L), 89(R)
Touch Type	Projective Capacitive with Multi-Touch	Projective Capacitive with Multi-Touch
Processor	Onboard MT8365 CPU, Quad-core ARM 2.0GHz Cortex-A53 MP Core, ARM Mali G52 GPU	Onboard MT8365 CPU, Quad-core ARM 2.0GHz Cortex-A53 MP Core, ARM Mali G52 GPU
System Memory	4GB DDR4 Memory	4GB DDR4 Memory
Wireless	Option by M.2 WIFI/BT Module	Option by M.2 WIFI/BT Module
Storage	Default with 32GB M.2	Default with 32GB M.2
External I/O Connector	4 x USB 3.0 1 x HDMI 1 x DC Jack	4 x USB 3.0 1 x HDMI 1 x DC Jack
Internal I/O Connector	1 x M.2 (2230) E-Key, support WiFi 1 x I2C 1 x RJ45 1 x Speaker out	1 x M.2 (2230) E-Key, support WiFi 1 x I2C 1 x RJ45 1 x Speaker out
Power Requirement	DC in +12~24V	DC in +12~24V
Power Type	AT/ ATX (Default is AT Mode)	AT/ ATX (Default is AT Mode)
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing	0% ~ 90% Relative Humidity, Non-condensing
Software Support	Android 10	Android 10
Dimension	TBD	TBD
Weight	TBD	TBD
Certification	CE, FCC Class A	CE, FCC Class A

Medical Mobile Tablet



Model Number	CAXA0
Processor	Intel® Celeron® N3350 1.1GHz Processor
System Memory	Onboard 4GB LPDDR4
Storage	64GB M.2 Solid State Drive (Option up to 128GB)
Operating System	Windows 10/ Android 8.1
LCD Size	10.1", WXGA
Resolution	1280 x 800
Luminance	300 cd/m ²
Touch Screen	10 Points Projective Capacitive
Wireless LAN	802.11 a/b/g/n/ac
Bluetooth	Bluetooth 5.0
Camera	2MP Front Camera 8MP Rear Camera With Auto Focus
NFC	ISO/IEC 14443 A/B, 15693/18092, NFCIP-1, NFCIP-2, Support MIFARE and Felica
Barcode Scanner	1D/2D Barcode Scanner (Optional)
Downside I/O Connectors	1 x Audio Jack, 2 x USB 2.0 Type A, 1 x Micro SD, 1 x DC Jack, 1 x HDMI Output
Control Button	1 x Power Button, 1 x Barcode Scanner Trigger
LED Indicator	1 x Power
Power Requirement	DC Jack +19V
Battery	28.44W Li-Polymer Battery
Battery Operating Time	6 hours
Construction	Rubber + Plastic
Dimensions	281 x 193.3 x 19.95 mm
Weight	1 kg
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
IP Rating	IP65
Certifications	CE, FCC, VCCI, CCC, BSMI, EN60601-1, EN60601-2

Expansion Power Bank



Model Number	EPB-1001
SBC	EPB-1001 Battery Board
MCU	IT8911
Charger IC	LTC1760
Power IC	LTC3789 for Vout1
DC Input	24Vdc/ 5A
Charge Current	4A Max. for 2 batteries
Charge Voltage	16.8 V
Output Current Per Battery	6.8A
Output Voltage Per Battery	14.4V
Output Power	12/19V DC-out 80W
USB Port	Type A
Indicator Light	Power/ Battery1/ Battery 2
Power Connector	DC jack with lock
Power Type	DC in
Color	Black/ White
Dimension	235 x 182 x 43 mm
Weight	1.2 kg
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-40°C ~ 75°C (-40 ~ 167°F) (Without Battery Pack)
Certification	CE/ FCC ANSI/ AAMI ES 60601 CAN/ CSA C22.2 No. 60601-1

Bedside Infotainment Solution
Patient & Room Information Display
ePaper Solution
Telemedicine Cart Solution
OR Imaging Solution
Life Science Solution
AI Ready Solution
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MPKT-20230701
 2023 Vol.1.0