

Avalue Healthcare

MedTech Solution-Friendly Platform

Medical Panel PC / Monitor / Tablet

Medical Box PCs / AI PCs / Servers

Medical Power & Workstation

Display & Notepad With E-paper Technology

Customized Design Service & Development Kit

Solution-Friendly & Trustworthy MedTech Platform Provider

Avalue Healthcare is a reliable hardware provider that the medtech products are designed for solution-friendly features and value-added integration. Leveraging resources from group companies and ecosystem partners, Avalue Healthcare aims to play an important role to help med tech solution providers and manufacturers improve patient outcome and medical workflow efficiency.



Market Oriented

Design for demand by closely watching medical trends and accumulated medical industry knowledge.



Ready To Use

Provide additional services for quick market entry, incl. peripheral integration, I/O customization, and system optimization.



Customized Service

Realize customer product concept via professional design & manufacturing service and ready-to-use development kit.



Professional Team

Possess trained and full functional team: R&D, project management, supply chain & production, sales & marketing.



Medical Ecosystem Resources

Leverage resources from partners for integrated solution of nurse call, bedside infotainment, telemedicine, video workstation, and OR integration.



Realizing Efficiency In Hospitalization Procedure



Outpatient & Examination

General Clinic Environment

Cost-effective & compact-designed panel PCs, tablets, and battery system.



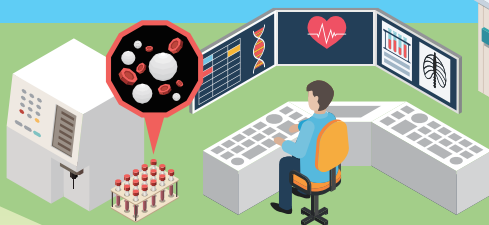
Inpatient & Bedside Care

Luxury Patient Care

Premium point-of-care panel PCs, AIO powered workstation, and display & notepad with e-paper technology.



Hospitalization Procedure



Laboratory Medicine & Emergency

Critical Demand Scenarios

High standard HMIs and servers for environmental constraint use.



Surgery & Treatment

Advanced AI Computing & OR Integration

Diversified AI computing platforms, intuitive video management system, and medical display.



Luxury Patient Care

Satisfy the requirement of premium patient care with minimum manpower and highest efficiency.



Aesthetic & Slim

Slim medical panel PCs and long-lasting powered workstation create premium inpatient experience.



ESG Orientation

Power-saving e-paper signage and e-note pad realize paperless workflow by digital material update, following ESG trend.



Data Security

BIOS lock and login access control reinforce cyber security of total system to protect data from hacking.

HID Series

21"~24" Medical Point-of-Care Terminal



- Latest Intel® CPU for advanced computing
- Easy disinfection IP-65 flat front design
- IET & PCIe expansion for imaging capture & isolation

RCC-GENICART

High Power Capacity Medical Workstation



- Up to 432 Wh power supply for long-time operation
- Medical battery module with IP67 protection
- All-in-one design for easy cable management

EPD Series

42"/31.5" Power-Saving Information Signage



- Black & white, full-colored signages
- Easy content update via LAN/WiFi
- No light emission for energy efficiency & viewing comfort

ENT-10T1

10.1" Lightweight Administration E-note Pad



- Pen with digitizer easy for signature
- Access reports & documents by WiFi anywhere
- Long-lasting rechargeable battery

Medical AIO

Model Number	HID-2132	HID-2138	HID-2334	HID-2340
LCD/ Resolution	21.5"/ 1920 x 1080	21.5"/ 1920 x 1080	23.8"/ 1920 x 1080	23.8"/ 1920 x 1080
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 Gen Intel® Core™ i7/i5/i3/ Celeron Processor
System Memory	1 x 260-pin DDR4 2133 SDRAM SODIMM socket up to 16GB	2 x 260-pin DDR4 3200 MHz SODIMM socket up to 64GB	2 x 260-pin SODIMM socket up to 32GB DDR4 2400 SDRAM	1 x 262-pin DDR5 4800MHz SODIMM socket up to 32GB (min 8GB)
Expansion	1 x full size mini PCIe slot (mSATA & PCIe & USB2.0 signal) 1 x IET expansion (incl.)	1 x low profile PCIe 1 x M.2 Key B (5G module or storage)	1 x M.2 2230 1 x mPCIe with SATA or PCIe x1 with mSATA	1 x M.2 Key B 3042/3052/2280 1 x M.2 Key E (WiFi module) 1 x IET expansion (optional)
Storage	1 x 2.5" SATA III SSD	1 x M.2 Key B storage	1 x 2.5" SATA III SSD	1 x M.2 Key M storage 1 x 2.5" SATA III SSD
Touch Type	Projective Capacitive	Projective Capacitive	Projective Capacitive	Projective Capacitive
Touch Controller	USB interface, EETI	USB interface, EETI	USB interface, EETI	USB interface, EETI
I/O Ports	USB Type C	-	-	1
	USB 3.0	4	4	3
	USB 2.0	2 (by pin header) + 1(5kV isolation)	2	1
	RS-232	1	Optional	-
	RS-232/422/485	1 + 1(5kV isolation)	-	1
	LAN by RJ-45	2 + 1(5kV isolation)	2	2
Speaker	2 x 2W	2 x 2W	2 x 2W	2 x 2W
Other	Optional: WiFi/BT module, 5.0M AF camera, barcode scanner, NFC, handset	Built-in NFC Optional: WiFi dongle, 5.0M AF camera, barcode scanner, handset	Built-in NFC, LED reading light, I/O cover, DP/HDMI video out optional: 2 x hot-swappable batteries & charging bay, 5.0M AF camera, WiFi/BT module	Built-in 5.0M AF camera Optional: WiFi/BT module, M.2 capture card Optional IET board: LAN/COM/ USB isolation board or HDMI/ 2 x Audio/2 x USB 2.0/Mini PCIe/ COM board
Power Requirement/ Adapter	19V DC 90W medical power adapter	19V DC 90W medical power adapter	24V DC 120W medical power adapter	24V DC 120W medical power adapter
Dimension (mm)	539.6 x 342.6 x 45.2	539.6 x 342.6 x 45.4	380 x 587 x 45.5	592 x 382 x 49.5
Weight (kg)	5.6	4.8	6.9 (w/o batteries)	6.0
Certification	CE, FCC Class B, UL60601-1	CE, FCC Class B, UL60601-1	CE, FCC Class B, UL60601-1	CE, FCC Class B, UL60601-1
OS Information	Win 7/ 10/ Linux	Win 10/ Linux	Win 10/ Linux	Win 10/ Linux

Powered Medical Cart

Model Number	RCC-GENICART-02R
Height	810mm-1110mm (adjustable)
Base Size	675mm diameter - 5 wheel base 561mm x 557 mm - 4 wheel base
Accessories	Handle, Basket, Medi-Rail, Cable Hook, Drip Pole, PSU Adapter Holder, Keyboard Tray
Power	Geni-Tec System, dual dock push button release, adjustable regulated output 12-28V (Battery modules supplied separately)
Castors	5 castors, 100 mm, all braked 4 castors, 100 mm, all Braked
Footprint	400 mm x 955 mm
System Input Voltage	28 VDC
Compliance	CE, UKCA, FCC Power System: EN/ES/IEC 60601-1 Battery Module: IEC 62133, UL 2054, UN38.3
Options	Battery module (RCC-BAT-GENI-01R): 216 Wh, HID series panel PC

E-paper Signage/ E-note Pad

Model Number	EPD-42T	EPD-3150	ENT-10T1
LCD/ Resolution	42"/ H: 2160 x V: 2880	31.5" E Ink spectra 6 Red, Green, Blue, Yellow, Black, White (2560x1440)	10.3" e-ink glass, 1404 x 1872p
Touch Type	Projective Capacitive	-	Capacitive + electromagnetic dual-touch
Processor	NXP i.MX 7Dual Processor/ Dual Arm® Cortex®-A7 Cores & Cortex-M4	-	Rockchip RK3566 Quad-core Cortex-A55 @1.8GHz
System Memory	On-Board 2GB DDR3L	-	2GB LPDDR4
Wireless	M.2 Wi-Fi/ BlueTooth module (Optional)	WIFI, Bluetooth	-
Storage	On-Board 8GB eMMC	32GB eMMC	64GB EMMC
External I/O Connector	2 x USB 2.0 (Edge I/O) 1 x Micro USB for USB OTG 1 x RJ-45 for Gigabit Ethernet	1 x USB Type-C 1 x Micro SD	1 x USB Type-C
Power Requirement	DC +12V	12V/ 2A option battery	DC +5V
Software Support	Android 5.1 (default) Linux 4.15 (Yocto 2.1)	Android 12	Android 11
Dimension (mm)	918.8 x 704.6 x 37.6	707.9 x 413.2 x 23.5	230.6 x 183 x 5.3
Certification	CE, FCC Class B	CE, FCC	CE, FCC, VCCI, TELEC

General Clinic Environment

Deliver configuration-smart and cost-effective benefits for clinics and examination rooms.



Design For Value

Small size panel PCs and easy integration accessories facilitate doctor inquiry and data synchronization.



True Mobility

Portable tablet and power module with universal VESA mounting kit facilitate mobile applications in clinical environment.



Versatile Peripherals

The rich and easy-to-add peripherals provide flexibility to configure your clinics and devices.

CAXA0

10.1" Medical Mobile Data Gateway



- Global medical certificates
- Rich accessory for varied scenarios
- Built-in NFC for medical staff identification

EPB-1001

Add-on Medical Power Module



- 198 Wh hot-swappable battery
- Selectable 12V/19V outputs
- Quick integration via VESA mounting kit

HID-1337

13.3" Medical Device HMI



- Intel Alder Lake-N power-saving processor
- IEC 60601-1-8 certified 5W speakers & LED indicators design
- USB type C simplifying device connection

VNS-10WR2
VNS-10WAD
APC-15WR2

10.1" / 15.6" Healthcare Terminal



- Handset for instant communication
- PoE for easy installation
- Windows/ Android/ Linux OS support

Medical & Healthcare AIO

Model Number		HID-1337	VNS-10WAD	VNS-10WR2	APC-15WR2
LCD/ Resolution		13.3"/ 1920 x 1080	10.1"/ 1280 x 800	10.1"/ 1280 x 800	15.6"/ 1920 x 1200
Processor		Onboard Intel® Alder Lake-N processor	Intel® Processor N50, 6M Cache, up to 3.4 GHz	Rockchip RK3568 Arm Quad Cortex-A55, up to 2.0GHz	
System Memory		1 x 262-pin DDR5 4800 MHz SODIMM socket up to 16GB	8GB LPDDR5	4GB LPDDR4	
Expansion		1 x M.2 Key E 2230 (WIFI module)	-	1 x M.2 Key B (SSD storage or LTE module)	
Storage		1 x M.2 Key B 2242/3042/3052 SATA III SSD	1 x 64GB eMMC, 1 x Micro SD		
Touch Type		Projective Capacitive	Projective Capacitive		
I/O Ports	USB Type C	1	-	-	
	USB 3.2	4	-	-	
	USB 3.0	2	2	2	
	RS-232/422/485	1	1(RJ-45 type)	-	
	RS-232/485	-	-	1 (RJ-45 type)	
	LAN by RJ-45	2	1	1	
Speaker		2 x 5W	2 x 2W		
LED Indicator		3-color LED bar indicator	2-color LED bar indicator		
Other		Optional: RFID, WiFi/ BT module	Built-in NFC/ WiFi, 2.0 MP camera, 3.5mm audio jack	Built-in NFC/ WiFi, 2.0 MP camera, 3.5mm audio jack, optional: handset	Handset, built-in NFC/ WiFi, 3.5mm audio jack, 2.0 MP camera
Power Requirement/Adapter		24 ~ 36V DC/ 72W medical power adapter	12 ~ 24V DC, Powered LAN/ 60W power adapter		
Dimension (mm)		198 x 325 x 38	270 x 193 x 28	270 x 193 x 28	385 x 266 x 34
Weight (kg)		1.8	1.1	1.1	1.5
Certification		CE, FCC Class B, UL60601-1	CE, FCC Class B		
OS Information		Win 10/ Linux	Windows 10/ 11, ubuntu 24.04	Android 11/ Debain 11	Android 11

Medical Tablet

Model Number	CAXA0
LCD Size/ Resolution	10.1"/ 1280 x 800
Processor	Intel® Celeron® N3350/4200 processor
System Memory	Onboard 4GB LPDDR4
Storage	64GB M.2 Solid State Drive (option up to 128GB)
Touch Type	Projective Capacitive
Bluetooth/ WLAN	Bluetooth 5.0/ 802.11 a/b/g/n/ac
NFC	ISO/IEC 14443 A/B, 15693/18092, NFCIP-1, NFCIP-2, support MIFARE and Felica
Camera	2MP front camera, 8MP rear camera w/ auto focus
Barcode Scanner	1D/2D barcode scanner (optional)
I/O Ports	1 x audio jack, 2 x USB 2.0, 1 x micro SD, 1 x DC jack, 1 x HDMI output
Other	G-sensor, light sensor
Power Requirement/ Adapter	19V, 65W medical power adapter
Battery	28.44W Li-Polymer battery (6 hours)
Dimension (mm)	281 x 193.3 x 19.95
Weight (kg)	1
Certifications	EN60601-1, EN60601-1-2, CE, RED, FCC, VCCI/MIC, CCC/SRRC, BSMI/NCC, UKCA, ICES-003/IC, Australia RCM, Chile SUBTEL
OS Information	Windows 10/ Android 11
Optional Accessory	Wall mount, desktop credle, hand strap, shoulder strap

Medical Power Module

Model Number	EPB-1001
Power Capacity	198 Wh, two hot-swappable battery packs incl.
Output Current Per Battery	6.8A
Output Voltage Per Battery	14.4V
Output Power	12 or 19V DC-out, 80W
USB Port	Type A
Charge Input	24 DC/ 5A
Charge Current	4A max. for 2 batteries
Charge Voltage	16.8 V
Power Connector	DC jack with lock
Indicator Light	Power/ Battery 1/ Battery 2
Color	White
Dimension (mm)	235 x 182 x 43
Weight (kg)	1.2
Certification	CE/ FCC/ ANSI/ AAMI ES 60601/ CAN/ CSA C22.2 No. 60601-1
Optional Accessory	Battery pack, VESA 100/100 bracket kit, AC/DC 24V/5A 120W adapter

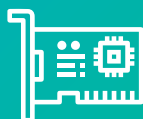
Advanced AI Computing & OR Integration

Enhance AI computing and streamline intraoperative multi-modality workflows.



Complete Package

From computing PC, video management system, to medical display, we provide one-stop-shopping advantage for project introduction.



Multiple PC Platform

The expandable medical PC is for GPU computing while the compact PC is for CPU acceleration.



Diverse AI Performance

Satisfy 40-275 TOPS AI computing needs by Intel®/Nvidia box PCs.

MAB-T600 Series



Expandable Power Edge AI PC

- Latest Intel® CPU support, 500W medical PSU
- 4 full height PCIe expandable
- 4 simultaneous displays by 4 x DP++

MAB-T660



Expandable Compact Edge AI PC

- Latest Intel® CPU support, 300W PSU
- Compact size for limited space
- 1 x PCIe x16, dual display support

MED-VPR-8430



Intuitive Video Streaming PC

- 4 x HDMI high-resolution video inputs
- COM/ USB/ LAN isolation
- Management software support

RCC-MM-GMDxxG



High-Resolution Medical Display

- Up to 4K resolution for modality/ endoscopy/ OR
- High brightness for display clarity
- Dual/ quad display layout support

EMS-MTH



Intel® AI Accelerated Fanless Box PC

- Intel® Meteor Lake-H Core™ Ultra Processor
- HDMI/ DP high-resolution output
- IET module expansion

AIB-NIAO



Nvidia Jetson AGX Orin AI Platform

- Up to 275 TOPS performance
- 12-48V DC wide voltage range
- COM for reliable connection

Expandable Box PC

Model Number		MAB-T600-B1	MAB-T600	MAB-T660
Processor		12/13th Generation Intel® Core™ i3/i5/i7/i9 processors	12/13th Generation Intel® Core™ i3/i5/i7/i9 processors	12/13th Generation Intel® Core™ i3/i5/i7/i9 processors
Chipset		Intel® R680E chipset	Intel® H610E chipset	Intel® R680E chipset
System Memory		4 x DIMM slot, DDR5 4400MHz UDIMM with ECC support, up to 128GB	2 x DIMM slot, DDR5 4800/5600MHz UDIMM with ECC support, up to 64GB	2 x SODIMM socket, DDR5 4800MHz UDIMM with ECC support, up to 64GB
Expansion	PCIe	4 full height PCIe slot: 1 x Gen 5 PCIe x16 2 x Gen 4 PCIe x4 1 x Gen 3 PCIe x4	4 full height PCIe slot: 1 x Gen 5 PCIe x16 1 x Gen 3 PCIe x1 2 x Gen 3 PCIe x1	2 half height PCIe slot via riser card: 1 x Gen 4 PCIe x16 or 2 x Gen 4 PCIe x8
	M.2	2 x Key M 2242/2280/22110 NVMe, 1 x Key E 2230	1 x Key M 2242/2280/22110 NVMe, 1 x Key E 2230	1 x Key M 2242/2280/22110 NVMe, 1 x Key E 2230
Storage		2 x 2.5" SATAIII HDD/SSD drive		1 x 2.5" SATAIII HDD/SSD drive
I/O Ports	USB Type C	1	-	-
	USB 3.2	6	4	8
	USB 2.0	2	4	2
	LAN By RJ-45	2 x 2.5 GbE	1 x 2.5 GbE 1 x 1 GbE	4 x 2.5 GbE
	DP++ 1.4a	4	2	2
	HDMI 2.0b	-	1	1
Power		100-240V AC, 500W medical ATX PSU		100-240V AC, 400W medical ATX PSU
Dimension (mm)		330 x 344 x 160	330 x 344 x 160	315 x 273 x 92
Operating Temp.		0 ~ 40°C (32°F ~ 104°F) w/ SSD, Ambient w/ 0.5m/s Air Flow		0 ~ 35°C (32°F ~ 95°F) w/ SSD, Ambient w/ 0.5m/s Air Flow
Certification		CE, FCC Class B, UL60601-1	CE, FCC Class B, UL60601-1	CE, FCC Class B
OS Information		Win 10, Win 11, Linux	Win 10, Win 11, Linux	Win 10, Win 11, Linux

Compact Box PC

Model Number		EMS-MTH	AIB-NIAO
Processor		Meteor Lake-H Intel® Core™ Ultra 7/ Ultra 5 processor	Jetson AGX Orin 32GB Jetson AGX Orin 64GB
System Memory		2 x 262-pin DDR5 5600 MT/s SODIMM socket up to 64GB	32GM/ 64GB LPDDR4
AI Performance/ GPU		-	200 TOPS/ NVIDIA Ampere 1792-CUDA® Core; 275 TOPS/ NVIDIA Ampere 2048-CUDA® Core
Expansion	PCIe	-	2 x mini PCIe
	M.2	1 x Key B, 1 x Key E	1 x Key M, 1 x Key B
	Other	1 x IET module 1 x SIM slot	1 x micro SD slot 4 x nano SIM socket
Storage		1 x Key-M storage (1 x PCIe Gen4x4, support NVMe)	64GB eMMC 5.1
I/O Ports	USB Type C	-	1
	USB	6	4
	Antenna	8	-
	COM	2 x RS232/422/485, 1 x 8-bit GPIO	3 x RS232, 2 x RS485/422, 2 x CAN FD, 4 x SYNC I/O, 1 x 16-bit GPIO
	LAN By RJ-45	2	5 x 10/100/1000 powered LAN
	DP++ 1.4	1	-
	HDMI 2.0b	2	1
Power		9-36V DC	12-48V DC
Dimension (mm)		240 x 150 x 59 (standard) 240 x 150 x 85 (w/ IET module)	233 x 144x 80
Operating Temp.		-40°C ~ 50°C (w/SSD) ambient w/ air flow	-20°C ~ 60°C (-4°F ~ 140°F)
Certification		CE, FCC Class B	CE, FCC
OS Information		Win 10 / Win 11/ Linux	Ubuntu 20.04

Medical Display

Model Number	RCC-MM-GMD55G-01R	RCC-MM-GMD32G-01R	RCC-MM-GMD27G-02R	RCC-MM-GMD24G	RCC-MM-GMD23G
LCD / Resolution	55"/ 3840 x 2160	32"/ 3840 x 2160	27"/ 3840 x 2160	24"/ 1920 x 1200	23.8"/ 1920 x 1080
Brightness	460 cd/m2 (typical)	780 cd/m2 (typical)	740 cd/m2 (typical)	820 cd/m2 (typical)	230 cd/m2 (typical)
Contrast Ratio	4000:1 (typical)	1500:1 (typical)	1000:1 (typical)	1000:1 (typical)	3000:1 (typical)
Viewing Angle	178°/ 178° (typical)	178°/ 178° (typical)	178°/ 178° (typical)	178°/ 178° (typical)	178°/ 178° (typical)
Color Temperature	Cool/neutral/warm/user				
Gamma Correction	Gamma 1.8/2.0/2.2/2.4/linear				Gamma 1.8/2.0/2.2/2.4/linear
I/O Ports	DP	2	1	1	1
	HDMI	-	1	1	1
	DVI	4	1	1	1
	VGA	1	1	1	1
Other	PIP/ PBP/ Quad-mode support	DIN6868-157 compliant, PIP/PBP, color calibration mode, 3G-SDI (optional) support		-	-
Power Requirement	100~250V AC	24V DC/ 150W medical power adapter		24V DC/ 90W medical power adapter	24V DC/ 65W medical power adapter
Dimension (mm)	1314 x 785 x 85	761.2 x 465.6 x 61.5	660.2 x 408.8 x 52.9	573.8 x 387.8 x 63.5	587.0 x 367.5 x 59.5
Weight (kg)	39	11	7.5	7	6.8
Mounting Sstandard	400 x 400	100 x 100/ 200 x 100		100 x 100	
Certification	CE, FCC Class B, VCCI cTUVus (ANSI/AAMI ES60601-1:2005+A1, CAN/ CSA C22.2 NO.60601-1:14)	CE, FCC Class B UL/cUL (ANSI/AAMI ES60601-1:2005+A1, CAN/CSA C22.2 NO.60601-1:14)		CE, FCC Class B, VCCI cTUVus (ANSI/AAMI ES60601-1: 2005+A1, CAN/ CSA C22.2 NO.60601-1:14)	CE, FCC Class B, VCCI, CCC cTUVus (ANSI/AAMI ES60601-1: 2005+A1, CAN/ CSA C22.2 NO.60601-1:14)

Critical Demand Scenarios

Provide extreme level of computing performance and usability for strict clinical demand.



Extreme Performance

The scalable server-grade PC provides extreme performance to optimize the AI solutions for next-generation sequencing or drug development.



Design For Durability

High standard and true water-proof HMIs prevent chemical hazards and massive blood in strict laboratory or emergency room.



Medical Alarm Regulation

Medical EMC & safety certified design of visual and audio alarm enables timely reaction and real-time monitoring in critical moment.

HID-1540

15.6" Vital Sign Device Terminal



- IEC 60601-1-8 certified 5W speakers & LED indicators design
- Easy disinfection flat front & anti-microbial finishing
- COM port for medical device connection

SPC Series

15" / 21.5" Stainless Steel Panel PC



- IP-69K for the strictest hygiene standard
- Water-proof connector & antenna
- Multi-OS support for flexible integration

HPS Series

High-Performance Server-Grade PC



- 5th single/ dual Intel® Xeon® processor support
- Up to 7 PCIe slots (incl. 4 x PCIe16) for expansions
- Extended lifecycle support

NUC-RPU

Compact Data Server



- Raptor Lake-U CPU for high performance computing
- TPM 2.0 support for data security
- LTE module expansion for 5G communication

Medical & Standless Steel AIO

Model Number	HID-1540	SPC-1533	SPC-2133
Description	Medical AIO	Stainless Steel AIO	
LCD / Resolution	15.6"/ 1920 x 1080	15"/ 1024 x 768	21.5"/ 1920 x 1080
Processor	12th Gen Intel® Core™ i7/i5/i3/ Celeron Processor	Intel® Celeron® Processor J3455, 2M Cache, up to 2.30 GHz	
System Memory	1 x 262-pin DDR5 4800 MHz SO-DIMM socket up to 32GB (min. 8GB)	2 x 204-pin DDR3L 1600MTs SODIMM socket up to 16GB	
Expansion	1 x M.2 Key B 2242/3042/3052 1 x M.2 Key E (WIFI module)	1 x M.2 2230 Key A (WIFI module)	
Storage	1 x M.2 Key M storage 1 x 2.5" SSD	64GB mSATA storage, 1 x 2.5" SATA III SSD/HDD by option	
Touch Type	Projective Capacitive	Projective Capacitive	
I/O Ports	1 x USB Type C 3 x USB 3.0 1 x USB 2.0 1 x RS-232/422/485 2 x by RJ-45	2 x USB 2.0 by M12 connector 1 x RS-232/422/485 by M12 connector 1 x LAN by M12 connector	
Speaker	2 x 5W	-	
IP Rating	Front IP65	Full IP66, IP69K	
Other	Built-in 5.0M AF camera, NFC, front IP-65 protection; Optional: WIFI/BT module	Optional M.2 WIFI module with waterproof antenna	
Power Requirement/Adapter	19V DC/ 120W medical power adapter	M12 DC jack, 12~26V DC, 60W power adapter	
Dimension (mm)	400 x 263 x 42.5	393 x 315.8 x 49	562 x 365.8 x 49
Weight (kg)	2.3	5.7	9.4
Certification	CE, FCC Class B, UL60601-1	CE, FCC Class A	
OS Information	Win 10/Linux	Windows 10, Linux, Android 8.1	

Server-Grade PC & Mini-Server

Model Number	HPS-ERSU4A	HPS-ERSD4A	NUC-RPU
Description	Server-Grade PC		Mini-Server PC
Processor	Intel LGA4677 socket supports 4th/5th generation Intel® Xeon® scalable processor (max. TDP at 270W)	Dual Intel FCLGA4677 sockets support 4th/5th Generation Intel® Xeon® scalable processors (max. TDP at 270W each)	13th Gen Intel® Core™ i7/i5/i3 (15W) Processors
Chipset	Intel® C741 Chipset		Intel® 13th Gen CPU Integrated
System Memory	6 x DDR5 5600 MHz RDIMM up to 1.5TB	12 x DDR5 5600 MHz RDIMM up to 3TB	1 x 262-pin DDR5 4800 MHz SO-DIMM socket, up to 32GB)
Expansion	4 x PCIe Gen5 x16, 3 x PCIe Gen5 x4	7 x PCIe Gen5 x16	M.2 1 x Key E 2230 (PCIe, USB 2.0, CNVi) 1 x Key B 2242/3042/3052 with internal SIM slot (PCIe, SATA, USB 3.0, USB 2.0) 1 x KeyM 2280 (PCIe4x4)
Storage	1 x M.2 Key M PCIe 3.0 x4 NVMe SSD, 2242/2260/2280/22110 form factor 3 x 2.5" drive bay	1 x M.2 Key M PCIe 5.0 x4 NVMe SSD, 2242/2260/2280/22110 form factor 3 x 2.5" drive bay	1 x 2.5" SSD 1 x M.2 Key-M 2280 NVMe (PCIe Gen4x4) 1 x M.2 Key-B 2242 SSD (SATA Gen3)
IPMI	IPMI 2.0		-
I/O Ports	6 x USB 3.2, 2 x USB 2.0 1 x IPMI access only 1 x 1 GbE, 1 x 2.5 GbE, 2 x 10 GbE 1 x VGA, 1920 x 1200 @ 60Hz 32bpp	8 x USB 3.2, 2 x USB 2.0 1 x IPMI access only 1 x 1 GbE, 1 x 2.5 GbE, 2 x 10 GbE 1 x VGA, 1920 x 1200 @ 60Hz 32bpp	6 x USB 3.2, 2 x USB 2.0 1 x 1 GbE, 1 x 2.5 GbE 2 x Antenna 2 x RS-232/422/485 4 x HDMI 2.0, 4096 x 2304 @ 60Hz
Power	AC 100-240V, 1300W PS2 ATX PSU	AC 100-240V, 1300W PS2 ATX PSU, 1600W CRPS (optional)	12V DC
Dimension (mm)	19" 4U chassis 430 (W) x 174.8 (H) x 528 (D); 482.6 (W) x 174.8 (H) x 528 (D) with ear mount		174 x 125 x 38.7
Operating Temp.	0 ~ 35°C (L6 system)	0 ~ 35°C (L6 system) 0 ~ 40°C (L6 system with 1600W CRPS)	0°C ~ 50°C (32°F ~ 122°F)
OS Information	Windows 10 IoT, Windows 11 Windows Server 2019/2022 Ubuntu 21.10, 22.04 LTS or later Red Hat Enterprise Linux (RHEL) 8.2 and later		Win10, Win11, Linux

Customized Design & Manufacturing Service

Realize product concepts by our experience team and systematic project management. The development kit allows minimum efforts on compatibility and integration by selected boards and open frame solution.



Professional Medical Project Management

- Traceable Document Control System
- Market-ready & Budget-wise Design Solution
- ISO-13485 Compliant NPDP Procedure



Rigorous Lifecycle Management

- Key Component Longevity Assurance
- End-of-lifecycle Management
- MTBF Analysis For Lifecycle Calculation



Complete Design & Validation Resource

- Full Functional & Modular RD Team
- Assurance of Design Quality
- Global Medical Certification Expertise



Service-Oriented Value

- Integration & Customization Service
- Quick Market Entrance & Post-market Surveillance Support
- Premium Long-Term Partnership

Open Frame Tablet

PRELIMINARY

Model Number	OFT-07WAD	OFT-10WAD	OFT-07WR3	OFT-10WR3
Description	Alder Lake-N Device HMI		Arm-Based Device HMI	
LCD / Resolution	7" / 1280 x 800	10.1" / 1280 x 800	7" / 800 x 480	10.1" / 1280 x 800
Processor	Intel® IOTG Alder Lake-N Processor 6W N50		Rockchip RK3568J Quad-core Cortex-A55 2.0GHz	
System Memory	8GB LPDDR5 on board		4GB LPDDR4 on board	
Storage	64GB eMMC		64GB eMMC	
Touch Type	Projective Capacitive		Projective Capacitive	
I/O Ports	USB 3.0	2	2	
	Display	HDMI, MIPI-DSI	HDMI, MIPI-DSI, LVDS, eDP	
	LAN by RJ-45	1	2	
	COM	1	4	
	Audio Jack	1	-	
Other	2W speaker, M.2 Key E for WIFI module, micro SD slot		2W speaker, M.2 Key E for WIFI module, M.2 Key B, SIM card slot	
Power	12~24V DC		12~24V DC	
Dimension (mm)	183.1 x 115.9 x 24.3	252 x 165.8 x 30.6	191.3 x 130.3 x 39.4	254.3 x 178 x 33.8
Operating Temp.	0°C ~ 40°C (32°F ~ 104°F)		-30°C ~ 60°C (-22°F ~ 140°F)	
Certification	CE, FCC Class A		CE, FCC Class A	
OS Information	Windows 10, Windows 11, Ubuntu 24.04		Android 13, Debian 11	

Server Board

Model Number	HPM-ERSUA	HPM-ERSDE
Processor	Intel LGA4677 socket supports 4th/5th generation Intel® Xeon® scalable processor (max. TDP at 270W)	Dual Intel LGA4677 sockets support 4th/5th generation Intel® Xeon® scalable processor (max. TDP at 270W each)
System Memory	6 x DDR5 5600 MHz RDIMM up to 1.5TB	12 x DDR5 5600 MHz RDIMM up to 3TB
Expansion	4 x PCIe Gen5 x16, 3 x PCIe Gen5 x4	7 x PCIe Gen5 x16
Storage	1 x M.2 Key M PCIe 3.0 x4 NVMe SSD, 2242/2260/2280/22110 form factor	1 x M.2 Key M PCIe 5.0 x4 NVMe SSD, 2242/2260/2280/22110 form factor
IPMI	IPMI 2.0	
Display I/O	VGA x 1	
LAN By RJ-45	2 x 10 GbE, 1 x 2.5 GbE, 1 x 1 GbE, 1 x MGMT port for dedicated IPMI access only	
SATA	5 x SATA III, support RAID 0,1,5,10	
USB/SATA/COM/LAN	10/5/2/5	12/5/2/5
Power Connector	1 x std. 24-pin ATX connector 3 x 8-pin SSI 12V connector	
Dimension (L x W)	12" x 9.6" (304.8 x 243.8 mm)	12" x 16.5" (304.8 x 417.9 mm)
OS Information	Windows 10, Windows 11 Windows Server 2019/ 2022 Ubuntu 21.10, 22.04 LTS or later Red Hat Enterprise Linux (RHEL) 8.2 and later	Windows 10, Windows 11 Windows Server 2019/ 2022 Ubuntu 21.10, 22.04 LTS or later Red Hat Enterprise Linux (RHEL) 8.2 and later

Board & Module

Model Number	EMX-RPLP	ECM-RPL	EPX-ASLP	ESM-RPL	EEV-EX26
Form Factor	Mini-ITX	3.5" SBC	2.5" SBC Pico-ITX	COMe Express Type 6	Carrier Board
Processor	Onboard Raptor Lake-P 13th Intel® Core™ SoC i7/ i5/i3/Celeron processor (TDP: 15~45W); H-Series: 25~45W, P-Series: 20~28W, U-Series: 12~15W	13th Intel® Core™ i7/i5/i3/ Pentium® BGA processor, support up to 15/28W	Intel® N97 and Atom® x7000RE series processors	13th Gen. Intel® H-Series Embedded Industrial (45 W) P-Series Embedded Industrial (28 W)	-
System Memory	2 x 262-pin DDR5 4800MHz SO-DIMM socket, up to 64GB	1 x 262-pin DDR5 4800MHz SO-DIMM socket, up to 32GB	1 x 262-pin DDR5 4800MHz SO-DIMM socket, up to 16GB	2 x 262-pin DDR5 4800MT/s SO-DIMM up to 64GB	-
Expansion	1 x M.2 Key B 3042/3052 1 x M.2 Key E 2230 support WIFI module and CNVi, 1 x M.2 Key B 2242 H-series: 1 x Gen 4 PCIe x8 P/U-series: 1 x Gen4 PCIe x4	1 x M.2 Key M 2280 (with 1 x PCIe Gen 4 x4) 1 x M.2 Key B 3042/3052/2242 (for storage or 5G) 1 x M.2 Key E 2230 (CNVi & WIFI 6E module)	1 x M.2 Key B 2242/3042 (PCIe, SATA III, USB3.2, USB2.0, SIM slot) 1 x M.2 Key E 2230 (WIFI module, USB 2.0 signal, PCIe x1 signal)	Default: 7 x Gen 3 PCIe x1 (2 lanes shared with SATA) 1 x PCIe Gen 4 x8 (for H-series SKU) 2 x Gen 4 PCIe x4	1 x PCIe Gen 4 x16 2 x PCIe Gen 4 x4
Storage	By M.2 Key E & Key B expansion	1 x SATA III	1 x SATA III	Optional on board storage NVMe SSD	-
Display	Intel® Iris® Xe Graphics (for Core i5 & i7) Intel® UHD Graphics for 12th Gen Intel® processors (for Core i3 & Celeron)	Intel® UHD Graphics or Iris® Xe Graphics CPU integrated	Intel® UHD Graphics	Intel® Iris® Xe Graphics on i7/i5 processor Intel® UHD Graphics on i3/ Celeron® processor Intel® Gfx up to 96 EU	-
Display I/O	Max. 6 for quadruple independent displays 2 x DP++, 2 x DP1.4, 1 x eDP, 1 x LVDS	Four display 1 x DP++, 1 x HDMI1.4b, 1 x eDP or LVDS, 1 x USB type C (support DP)	Triple display 1 x DP++1.4a, 1 x HDMI2.0, 1 x LVDS	Four display 3 x DDI, 1 x VGA, 1 x eDP/LVDS	1 x VGA, 3 x HDMI or 3 x DP, 1 x eDP or 1 x LVDS
Audio	Realtek audio codec Mic-in, line-out 2 x 6W audio amplifier	Realtek audio codec Mic-in, line-out 2 x 2W audio amplifier	-	Intel® HD Audio Integrated on CPU	Realtek audio codec Mic-in, line-out
LAN By RJ-45	3 x 2.5 GbE, 1 x 1 GbE	2 x 2.5 GbE	2 x 2.5 GbE	1 x 2.5 GbE	1 x 2.5 GbE
USB/SATA/COM/LAN	8/3/6/4	8/1/2/2	6/1/2/2	14/2/2/1	5/4/1/1
Power	12~24V DC, AT/ATX type	9~36V DC or USB type C adapter (20V), AT/ATX type	12V DC, AT/ATX type	9~19V, AT/ATX type	
Dimension (L x W)	6.7" x 6.7" (170 x 170 mm)	5.7" x 4" (146 x 101 mm)	3.9" x 2.8" (100 x 72 mm)	3.7" x 4.9" (125 x 95 mm)	9.6" x 9.6" (243.8 x 243.8 mm)
Certification	CE, FCC, RoHS Compliant			CE, FCC, RoHS Compliant	
OS Information	Windows 11, Linux			Windows 10 Enterprise Ubuntu 22.04 (Kernel 5.15) above	According to COMe module solution

About Avalue Healthcare

Avalue Healthcare, an affiliate of Avalue Technology, leverages the design capability, project management, supply chain & production resources, and global sales network, to develop and distribute dedicated medical products covering medical panel PCs & tablets, medical displays, medical box PCs and AI PCs.



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