



Back-up Battery



Support **imprivata** RFID



Support **Front Camera**

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Specifications

Model	SMA-1033	SMA-1233	SMA-1533	SMA-1733	SMA-1833		
Processor	Intel® 10nm 11th Generation Elkhart Lake Atom x6425E/x6211E/Celeron N6210						
System Memory	DDR4 SODIMM up to 32GB						
OS Support	Microsoft® Windows 11, Microsoft 10 (64bit), Ubuntu 22.04 LTS						
Graphics	Intel® UHD Graphics						
Storage	M.2 2242 B-key up to 1TB, Additional 2.5" SSD up to 1TB (SMA-1833 only)						
Wireless Communication	802.11 a/b/g/n/ac/ax + BT 5.3 (optional)						
Touchscreen	Projective Capacitive Touch						
Speakers	3 W x 2						
Trusted Platform Module	TPM 2.0						
Security	Imprivata RFID reader (optional), Smart Card Reader (optional)						
Waterproof	Front IP65; Rear IPX1						
Display	10.1"	11.6"		15.6"	17"	18.5"	
SKU	WXGA	FHD	WXGA	FHD	SXGA	FHD	WXGA
Type	AHVA	AHVA	TN	AHVA	TN	AHVA	ADS
Resolution	1280x800	1920x1080	1366x768	1920x1080	1280x1024	1920x1080	1366x768
Max. Colors	16.7 M	16.7 M	262K	16.2 M	16.7 M	16.7 M	16.7 M
Contrast Ratio	800:1	800:1	500:1	1000:1	1000:1	1000:1	1000:1
Luminance (cd/m ²)	400	300	250	300	350	350	250
Backup batter x1	No	Yes		Yes	No	No	
IO	USB 3.2 Gen1x1 x4, RS-232 x1, Gigabit LAN x2 (Isolated x1 + Non-isolated x1), HDMI 2.0b x1						
VESA	75/100 mm VESA mount						
Operating Temperature	Without backup battery: 0°C ~ 40°C (32°F ~ 104°F)/With backup battery: 0°C ~ 35°C (32°F ~ 95°F)						
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)						
Storage Humidity	10%~95%@35°C (Non-condensing)						
Dimension	262x191x45 mm	300x205x47.3 mm		398x265x47 mm	384x338x69 mm	457x303x50 mm	
Package Size	402x190x335 mm	420x185x345 mm		520x190x400 mm	630x250x640 mm	590x212x421 mm	
Gross Weight	3.7kg (8.2lb)	4.0kg (8.8lb)		4.3kg (9.5lb)	9kg (19.8lb)	6.3kg (13.9lb)	
Net Weight	1.2kg (2.6lb)	1.5kg (3.3lb)		1.8kg (4.0lb)	5.6kg (12.3lb)	4.4kg (9.7lb)	
Certifications	CE: EN 60601-1-2:2015 + A1:2021 (V4.1), EN 60601-1:2007 + A1:2013 + A2:2021 (V3.2) EN 55032:2015/A1:2020, EN 55035:2017/A1:2020 (ITE), IEC 62368-1:2020 + A11:2020 (ITE) FCC: Part 15B / Part 18 UL: ANSI AAMI ES60601-1:2005/A1:2012/A2:2021(V3.2) cUL: CAN/CSA-C22.2 No. 60601-1:14 (IEC 60601-1:2005+A1:2012+A2:2020,MOD) (V3.2) TELEC: JAPAN TELEC						

onyx
Smart Healthcare an ASUS assoc. co.



Slim Medical AIO SMA SERIES

with Elkhart Lake Platform



Wide Range of Panel Size Selection



SMA-1833



SMA-1733



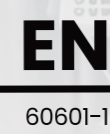
SMA-1533



SMA-1233



SMA-1033



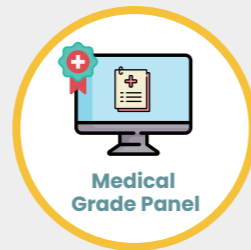
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SMA Series Features



- Intel ELKHART LAKE Celeron N6210, Atom x6425E and x6211E
- DDR4 SODIMM up to 32GB (In-Band ECC with Atom x6000E)
- M.2 SSD SATA
- USB 3.2 Gen1x1 x4, HDMI 2.0b x1 and Giga LAN x2, HDMI x1
- Intel AX210 802.11AX WiFi & Blue Tooth 5.3
- One backup battery for 11.6"/15.6" (Optional)
- PoE /PSE(25W) Support for 11.6 and 15.6" (Optional)
- RFID Support (Optional)
- Function Expansion Daughter Board via FPC connector(PCle[x1])(By Project)



Medical Grade Panel



Longevity Support



Patient Bedside Infotainment



Hospital Management Kiosk

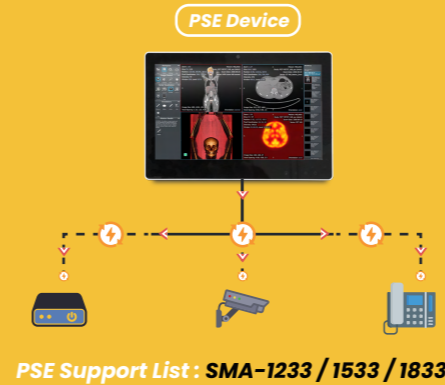


EKG/ECG Monitor



Medical Device Controller

PoE and PSE Support



PSE Support List : SMA-1233 / 1533 / 1833

PSE Device



PoE Device

PoE Support List : SMA-1233 / 1533

Imprivata RFID & 5MP Camera Support



Reserve 1 x PCIe [x1] to do Customization Easily



Backup Battery

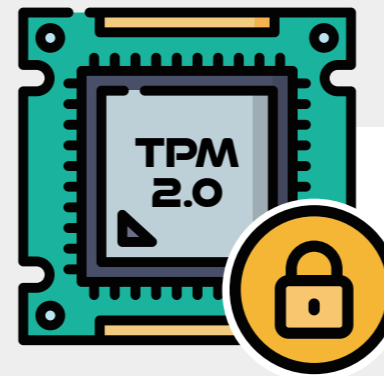


SMA-1533 With Backup Battery



SMA-1233 With Backup Battery

TPM (Intel® Platform Trust Technology, PTT)



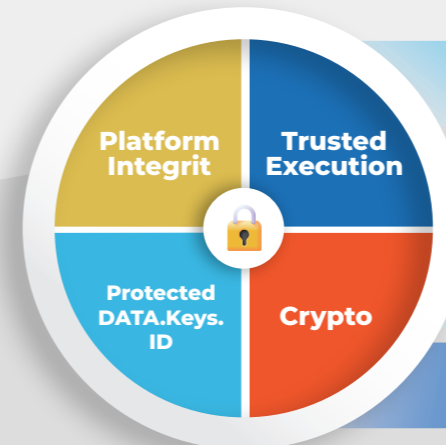
Trusted Platform Module (TPM) is a security-focused hardware component that delivers cryptographic and protection-related capabilities. It functions as a specialized security processor engineered to execute encryption and decryption tasks.

Intel® Platform Trust Technology (PTT) implements built-in TPM 2.0 functionality, which eliminates the need for additional components and reduces space requirements on the circuit board, resulting in lower manufacturing costs.

Its security features remain protected from harmful software, as malicious programs cannot compromise or interfere with the TPM's protective functions.

Security at the Edge with Elkhart Lake

Proactively Protect the Edge with Hardware-based Security for improved Productivity



Platform Integrity: Mitigates against platform tampering using hardware root of trust

Protected DATA.Keys.ID: Resistant storage for sensitive DATA,Keys or Credentials

Crypto: Provides hardware accelerated Cryptography & DRM protection

Trusted Execution: Applications/workloads while they are being executed