STC2-MTL Series

Intel® Core™ Ultra - based Open Frame Panel PC

Preliminary





Features

- Intel® Core™ Ultra series (Meteor Lake) processor
- 10.1"/15.6"/21.5" Projected capacitive touch screen
- DDR5 -6400 up to 64GB
- Wi-Fi/BT module support ensures seamless data transfer and industrial flexibility
- Front panel IP65 rating for waterproof and dustproof protection
- Ease of installation with optional VESA mount
- Supports PoE and TPM 2.0 for streamlined, secure deployment. (Optional)

Ordering Information

• STC2-10WP-MTL	10.1” Intel® Core™ Ultra All-in-One Panel PC
• STC2-15WP-MTL	15.6” Intel® Core™ Ultra All-in-One Panel PC
• STC2-21WP-MTL	21.5” Intel® Core™ Ultra All-in-One Panel PC

Software Support

- Windows® 11/10, Linux.

Optional Accessories

- Adapter: 12V 120W adapter
- Wireless Kit: Wi-Fi/BT module

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STC2-MTL All-in-One Panel PC					Optional Accessory	
Model		**STC2-10WP-MTL**	**STC2-15WP-MTL**	**STC2-21WP-MTL**	**Part Number**	**Description**
Processor	Core Ultra 5 processor 125H, 4.50GHz	Core Ultra 5 processor 125H, 4.50GHz	Core Ultra 5 processor 125H, 4.50GHz	Core Ultra 5 processor 125H, 4.50GHz		
Memory	2x SODIMM socket, DDR5 5600MHz ,upto 64GB	8GB	8GB	8GB		
Storage	1x M.2 SATA M key 2280, support SATA SSD or NVME (PCIe x4)	128GB SATA SSD	128GB SATA SSD	128GB SATA SSD		
	1x 2.5” SSD/HDD SATA 6 Gbps port					
Display and Touch						
Display	Size	10.1”	15.6”	21.5”		
	Weight	TBD	TBD	TBD		
	Resolution	1280 x 800	1920 x 1080	1920 x1080		
	Contrast Ratio	800:1	1000:1	1000:1		
	Brightness (Nits)	400 cd/m2 (typ.)	400 cd/m2 (typ.)	400 cd/m2 (typ.)		
	Backlight Life (Hrs)	50000	50000	50000		
	Viewing Angle (U/D/R/L)	89/89/89/89	89/89/89/89	89/89/89/89		
Touch	Touchscreen	10 Points	10 Points	10 Points		
	Touch Structure	Glass/Glass	Glass/Glass	Glass/Glass		
Surface	Surface Hardness	7H	7H	7H		
	Surface Treatment	Anti-Fingerprint coating	Anti-Fingerprint coating	Anti-Fingerprint coating		
Fully Integrated I/O						
Ethernet	2x GbE (Intel® I226), RJ-45, WOL (optional TSN support) PoE, share with LAN2	2x 1GbE, RJ-45, WOL	2x 1GbE, RJ-45, WOL	2x 1GbE, RJ-45, WOL		
USB Ports	4x USB 3.2, Gen 2 (10 Gbps), OCP,Type A	4	4	4		
	1x wafer USB 2.0 client	1	1	1		
Display Port	1x DisplayPort, DP++, supports DP 1.4, resolutions up to 5120x3200@60Hz 24bpp	1	1	1		
COM Port	2x wafers RS-232/422/485 programmable, auto flow	2	2	2		
Audio	1x wafer for 2x stereo speaker (2 watts)	1	1	1		
	1x wafer for Mic-in and Line-out	1	1	1		
	1x wafer for buzzer	1	1	1	23-52111-0A00	wafer to Buzzer
Expansion	1x full size mPCIe slot	1	1	1		
	1x M.2 2230 E key for wireless (Wi-Fi/Bluetooth)	1	1	1	91-95266-4000	WiFi Kit
Security						
Security	TPM 2.0	Support	Support	Support		
Power						
Power Input	AT/ATX	AT model (Power on mode)	AT model (Power on mode)	AT model (Power on mode)		
	12V or 9-36V, both with OVP/UVP protection	12V	12V	12V	31-62163-0000-A0	120W adpater

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STC2-MTL All-in-One Panel PC					Optional Accessory	
Model		**STC2-10WP-MTL**	**STC2-15WP-MTL**	**STC2-21WP-MTL**	**Part Number**	**Description**
Environmental						
Environmental	Operating Temperature for system	0˚C ~ +50˚C				
	Storage Temperature	-20˚C to +60˚C				
	Operating Humidity	Up to 95%				
	Vibration	10 ~ 500 Hz, 1.87G for X, Y （IEC 60068-2-64） 5 ~ 500 Hz, 1 G for Z OP 1 Grms, 5-500Hz w/ SSD ISO 7637-2				
	Shock	OP 30G peak acceleration, 11 ms for board OP 20G peak acceleration, 11 ms for system				
	ESD	Air: ±15kV, Contact: ±8kV, screwing grounding				
Safety (Pre-test)	EMC	CE/FCC class B EN 55032:2015 + A11:2020; EN 55035:2017 + A11:2020; BS EN 55032:2015 + A11:2020; BS EN 55035:2017 + A11:2020; AS/NZS CISPR 32:2015 + A1:2020 EN 60601-1-2:2015 + A1:2021; IEC 60601-1-2:2014 + A1:2020 BS EN 60601-1-2:2015 + A1:2021 EN IEC 61000-3-2:2019+A1:2021 BS EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019+A2:2021 BS EN 61000-3-3:2013+A1:2019+A2:2021 EN IEC 61000-6-4:2019 ; EN IEC 61000-6-2:2019 BS EN IEC 61000-6-4:2019 ; BS EN IEC 61000-6-2:2019 EN 50121-3-2:2016+A1:2019 BS EN 50121-3-2:2016+A1:2019 IEC 62368-1:2018 EN IEC 62368-1:2020+A11:2020 BS EN IEC 62368-1:2020+A11:2020				
Mechanical						
Mechanical	Construction	SGCC				
	Optional VESA Kit	VESA Kit	VESA Kit	VESA Kit		
	Package Dimensions	TBD	TBD	TBD		

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