STC2-TGL Series

Preliminary

Smart Touch Computers







Features

- High performance with 11th Gen. Intel® Core™ Processor
- 15.6”/21.5” 16:9 LCD panel with LED backlight with 50,000 service life
- With up to 1920 x 1080 resolution
- 10-point PCAP touchscreen
- Anti-fingerprint surface treatment for ease of cleaning and enhanced readability
- IP rating for water and dust protection
- Robustness with wide 9-36V DC input
- Ease of installation with optional VESA mount

Software Support

- Windows® 10 IoT Enterprise
- Windows® 11 IoT Enterprise
- Ubuntu Linux 22.04.2

Optional Accessories

- Memory
  Up to 64GB DDR4 memory
- Storage
  M.2 SATA SSD
- Wireless Kit
  Wi-Fi/BT/4G LTE wireless kit
- Adapter
  12V 84W power adapter

Specifications





Model	STC2-15WP-TGL	STC2-21WP-TGL
System		
Processor	Intel® Core™ i5-1145G7E, 2.6 (4.1)GHz, 8MB, 15-28W (4C/Iris Xe)	
Memory	2x SODIMM non-ECC 2400/3200 MHz DDR4 memory up to 64GB	
Storage	1x M.2 SATA 6 Gbps port, M key 2280 and 1x 2.5" SSD/HDD SATA 6 Gbps port (Optional)	
Display		
Size	15.6"	21.5"
Resolution	1920 x 1080	
Aspect Ratio	16:09	
Brightness	400 nits (w/i touch)	
Backlight Life (Hrs)	50,000	
Viewing Angle (U/D/R/L)	89/89/89/89	
Contrast Ratio	1000:1	
Touchscreen	10-point, PCAP (Projected Capacitive Touch), Anti-fingerprint coating	
I/O		
Ethernet	1x GbE LAN, RJ-45	
Serial Port	1x RS-232/422/485 programmable, auto flow	
USB Port	1x USB 2.0, Type A, OCP, 1000mA 1x USB 3.2, 5 Gbps, Type A, OCP, 1600mA 2 x USB 3.2, gen 2, 10 Gbps, Type A, OCP, 1600mA	
Video	1x DP, DP++, supports resolutions up to 5120x3200@60Hz 1x MiniDP, DP++, supports resolutions up to 5120x3200@60Hz (Optional)	
Audio	1x for 2x stereo speaker (2 watt) 1x Mic-in and Line-out 1x buzzer	
M.2	M.2 E key for Wi-Fi/BT M.2 B key for 4G/LTE	
Environmental		
Operating Temperature	0°C to 60°C (Default) -20°C to 60°C (By Request)	0°C to 60°C
Storage Temperature	-20°C to 60°C	
Humidity	10% to 95%	
Vibration	OP 1 Grms, 5-500Hz w/ SSD, (IEC60068-2-64), X, Y, Z axes, 60 min/axis	
Shock	OP 20G peak acceleration, 11 ms (IEC60068-2-64), ±X, ±Y, ±Z, 3 shocks/asix	
IP Rating	Front IP65	
Certifications & Compliance	CE/FCC	
Power Input	9-36V DC input OVP/UVP protection	
Power Consumption	TBD	TBD
Software		
WDT	Watch Dog Timer supported	
Operating System	Windows® 10 IoT Enterprise, Linux Ubuntu 20.04	
Weight (Net/Gross)	TBD	TBD
Dimensions (H x W x D) (mm)	TBD	TBD
Mounting	VESA Mount, MIS-D 75mm x 75mm, 100mm x 100mm	

intel partner Titanium IoT Solutions

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