

STC-KL Series

15.6"/18.5"/21.5" Smart Touch Computers

Preliminary



Features

- Intel® Core™ i3-7100U/i5-7300U/i7-7600U (formerly Kaby Lake)
- 15.6"/18.5"/21.5" wide ratio TFT-LCD display with up to 1920 x 1080 resolution
- 5-point projected capacitive sensor and 5-wire resistive touch sensor
- IP65-rated front bezel to deter water and dust ingress
- Robustness with wide 9-36V DC input
- Ease of installation with VESA mount and optional panel mounting kits
- Supports half-length PCIe x4 card and expandable I/O function board

Software Support

- Windows® 10 IoT Enterprise
- Linux Ubuntu 16.04 LTS

Optional Accessories

- Adapter
12V 84W power adapter
- Mounting Kits
STC-15WP-KL_Panel Mounting kits
STC-18WP-KL_Panel Mounting kits
STC-21WP-KL_Panel Mounting kits
- Wi-Fi Kit
IEEE 802.11 a/b/g/n/ac Wi-Fi kits
- 4G/LTE Kits
For USA/EU/AP markets
- PCIe Riser card
For PCIe x4 Half-Length card

Ordering Information

- STC-15WP-i5-7300
15.6" Smart Touch Computer, PCAP touch, 4GB, 64GB M.2 SSD
- STC-18WP-i5-7300 (Optional)
18.5" Smart Touch Computer, PCAP touch, 4GB, 64GB M.2 SSD
- STC-21WP-i5-7300
21.5" Smart Touch Computer, PCAP touch, 4GB, 64GB M.2 SSD

Specifications



Model	STC-15W-KL	STC-18W-KL	STC-21W-KL
System			
Processor	7th Gen Intel® Core™ Processor		
Memory	4GB DDR3L default (up to 8GB)		
Storage	1x 2.5" SATA bay		
Display			
Size	15.6"	18.5"	21.5"
Resolution	1366 x 768	1366 x 768	1920 x 1080
Luminance (Nits)	400 nits (w/o touch)	400 nits (w/o touch)	400 nits (w/o touch)
Backlight MTBF (Hrs)	50,000	50,000	44,000
Contrast Ratio	500:1	1300:1	1000:1
Viewing Angle (U/D/R/L)	85/85/85/85	85/85/80/80	60/60/70/70
Touch Screen	Projective capacitive sensor 5-wire resistive sensor (Optional)		
I/O			
I/O Port	1x USB 2.0, Type A 1x USB 3.0, Type A 2x GbE LAN, RJ45 2x COM ports, RS-232/422/485 1x DP Port 1x DC power input 1x audio port (line out)		
Expansion	1x Mini PCIe card with PCIe and USB interface 1x half-length PCIe x4 slot (optional, riser card required)		
Wi-Fi and Bluetooth	802.11 a/b/g/n/ac and Bluetooth 4.0 (optional with Mini PCIe card)		
4G/LTE	For USA/Europe/TW/NZ/AU regions		
Mechanical			
Construction	Aluminum front bezel and metal chassis		
Weight	6.4kg	7.8kg	8.6kg
Dimensions (H x W x D)	264x414x82mm	300x479x83mm	338x546x82mm
Mounting Options	VESA Mount, MIS-D 75mm and 100mm (Standard) Panel mount (optional)		
Working Environment			
Operating Temperature	0°C to 40°C (HDD and PCIe card) 0°C to 50°C (SSD)	0°C to 40°C (HDD and PCIe card) 0°C to 50°C (SSD)	0°C to 40°C (HDD and PCIe card) 0°C to 50°C (SSD)
Storage Temperature	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C
Operating Humidity	10% to 90% @ 40°C (non-condensing)		
Vibration	Operating: 1G random 5 to 500Hz		
Shock	Operating: 10G acceleration part to part, 11ms		
IP Grade	IP65 on Front bezel		
Certifications & Compliance	CE/FCC EN 55032/24, Part15B UL/CB(62368)+CB(60950)		
Input Voltage	9-36V DC input OVP/UVSP protection		
Power Consumption	53W	54W	64W
Software			
Operating System	Windows® 10 IoT Enterprise, Linux Ubuntu 16.04 LTS		

