

STC-KL Series

15.6"/18.5"/21.5" Smart Touch Computers

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



Introduction

The STC-KL Series of robust Smart Touch Computers is powered by 7th Gen Intel® Core™ processors and available with 15.6", 18.5", and 21.5" touchscreen. Targeted at industrial automation applications in harsh environments, the STC-KL Series features an IP65-rated front panel to withstand dust and water ingress, and supports a 9-36V power range. In addition, the STC-KL Series provides fieldbus communication, wireless connectivity, and functional expansion through Mini PCIe and PCIe x4 slots, allowing it to interface with industrial networks, automated systems, machine controllers and auxiliary equipment. Along with flexible mounting options and ADLINK's Smart Embedded Management Agent (SEMA), the STC Series delivers increased system uptime, facilitates easy cleaning, installation and system management and thus ensures high productivity for end users. The STC Series is an ideal fit for light industrial applications in food and beverage, pulp and paper, textile, printing and machinery sectors.

Software Support

- Windows® 10 IoT Enterprise
- Linux Ubuntu 16.04 LTS




Ordering Information

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

Optional Accessories

- **Adapter**
12V 60W power adapter
12V 84W power adapter
- **Mounting Kits**
STC-15WP-KL Mounting kits
STC-18WP-KL Mounting kits
STC-21WP-KL Mounting kits
- **Wi-Fi Kit**
IEEE 802.11 a/b/g/n/ac Wi-Fi kits
- **4G/LTE Kits**
For USA/EU/AP markets

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		
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 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/UVP protection		
Power Consumption	53W	54W	64W
Software			
Operating System	Windows® 10 IoT Enterprise, Linux Ubuntu 16.04 LTS		