

# STC-AL Series

## Smart Touch Computers

### Features

- Quad-core Intel Atom® x7-E3950 Processor
- 10.1"/12.1"/15.6" wide ratio TFT-LCD display with up to 1366 x 768 resolution
- 5-wire resistive touch sensor and optional 5-point projected capacitive sensor
- IP65-rated front bezel to deter water and dust ingress
- Robustness with wide 9-36 DC input and optional -20°C to 60°C support
- Ease of installation with panel and optional VESA mount
- SEMA support and custom I/O and function expansion



### Introduction

The STC-AL Series is based on quad-core Intel Atom® X7-E3950 processors and provides projected capacitive (PCAP) or 5-wire resistive touch interfaces in 10-, 12- and 15-inch display sizes. Support for fieldbus communication, wireless connectivity, and other functions is provided by Mini PCIe expansion, to interface with industrial networks, automated systems, machine controllers, and auxiliary equipment. In addition to default I/O connections, the STC-AL delivers flexible I/O customization to fulfill a wide range of application-specific functionality. The exceptionally robust system features IP65-rated moisture and particulate protection on the front side and operating temperature compatibility up to -20°C to 60°C. Versatile power input capability ranges from 9V to 36V. Remote management of STC provided by ADLINK's SEMA (Smart Embedded Management Agent) utility for maximized system uptime.

### Software Support

- Windows® 10 IoT Enterprise




### Ordering Information

- **STC-10WP-E3950**  
10.1" Smart Touch Computer, PCAP, 4GB RAM, 64GB M.2 SSD
- **STC-10WR-E3950**  
10.1" Smart Touch Computer, Resistive, 4GB RAM, 64GB M.2 SSD
- **STC-12WP-E3950**  
12.1" Smart Touch Computer, PCAP, 4GB RAM, 64GB M.2 SSD
- **STC-12WR-E3950**  
12.1" Smart Touch Computer, Resistive, 4GB RAM, 64GB M.2 SSD
- **STC-15WP-E3950**  
15.6" Smart Touch Computer, PCAP, 4GB RAM, 64GB M.2 SSD
- **STC-15WR-E3950**  
15.6" Smart Touch Computer, Resistive, 4GB RAM, 64GB M.2 SSD

### Optional Accessories

- **Adapter**  
12V 60W power adapter
- **VESA Mounting Kit**  
VESA 100 x 100 mounting kit
- **Wi-Fi Kit**  
IEEE 802.11 a/b/g/n/ac
- **4G/LTE Kits**  
For USA/EU/AP markets

# Specifications

Model	STC-10W-AL	STC-12W-AL	STC-15W-AL
			
<b>System</b>			
Processor	Intel Atom® x7-E3950 Processor		
Main Memory	4GB DDR3L default (up to 8GB)		
Storage	1 x M.2 slot (M Key)	1 x 2.5" SATA bay 1 x M.2 slot (M Key)	
<b>Display</b>			
Size	10.1"	12.1"	15.6"
Resolution	1280 x 800	1280 x 800	1366 x 768
Luminance (Nits)	400 nits (w/o touch)		
Backlight MTBF (Hrs)	50000		
Contrast Ratio	1300:1	1000:1	500:1
Viewing Angle (U/D/R/L)	85/85/85/85	89/89/89/89	85/85/80/80
Touch Screen	5-wire resistive touch sensor / Projective capacitive sensor		
<b>Motherboard and System Components</b>			
I/O Port	1 x USB 2.0, Type A 1 x USB 3.0 2 x GbE LAN, RJ45 2 x COM ports, RS232/422/485 1 x DP port 1 x DC Power input 1 x Audio port (line out)		
Expansion	1 x PCIe mini card with PCIe and USB interface		
Wi-Fi and Bluetooth	802.11 a/b/g/n/ac and BT 4.0 (optional with PCIe mini card)		
Operating System	Windows® 10 IoT Enterprise		
<b>Physical Characteristics</b>			
Construction	Aluminum front bezel and metal chassis		
Weight	2.9kg	4.2kg	5.9kg
Dimensions (HxWxD) (mm)	283 x 202 x 53	328 x 230 x 55	415 x 264 x 55
Mounting Options	VESA Mount, MIS-D 100mm (option) Panel Mount		
<b>Working Environment</b>			
Operating Temperature	-20°C to 50°C	-20°C to 50°C -20°C to 60°C (optional)	0°C to 50°C
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	1G random 5 to 500Hz		
Shock	10G acceleration part to part, 11ms		
IP Grade	IP65 on the front		
Certifications & Compliance	CE, FCC, Class A, CB, UL		
<b>Power</b>			
Input Voltage	9-36V DC Power input		
Power Consumption	29W	32W	34W