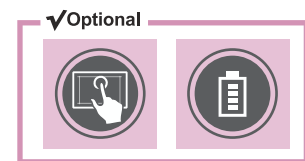




SP-15LW03

15.6" Smart Panel with Intel® Atom™ D525 Processor



► Features

- Intel® Atom™ Processor D525 (512K x2 L2 Cache, 1.8 GHz)
- 15.6" LCD display with 1366 x 768 resolution
- 1x 1.8" SATA socket for HDD or SSD storage
- 2x PCI Express Mini Card slots
- Optional five-wire resistive touch sensor
- Optional battery pack for AC power loss backup
- 2x GbE supported
- 1x DDR3 SO-DIMM socket supports up to 2 GB

► System Spec

Processor	Intel® Atom™ Processor D525 (512 K x 2 L2 Cache, 1.8 GHz)	Storage	7+9 pin onboard SATA connector for 1.8" HDD/SSD SATA signals on I/O connector for external HDD storage
South Bridge	Intel ICH8-M	Touch Sensor	Optional five-wire resistive touch sensor
Super I/O	ITE IT8781F	Audio Ports	Mic-in / line-out / stereo speaker out
Main Memory	1x DDR3 SO-DIMM socket supports up to 2 GB @ 800 MT/s	LAN	2x 10/100/1000 Mbps ports
Graphic	• Intel® integrated graphic chipset • Supports CRT/LCD dual view CRT resolution up to 2048 x 1536	USB Ports	2x USB 2.0 for PCI-E Mini Card slots / 6x USB 2.0 available on I/O connectors
LCD	• Size: 15.6-inch, 16:9 panel • Resolution: 1366 x 768, RGB, Transmissive • Backlight: LED • Contrast Ratio: 400:1 typical • Luminance: 200 Cd/m² typical (without touch sensor attached)	PCI Express Mini Card Slot	• 1 full length mini PCI Express Mini Card add-on slot with USB 2.0/ PCI-Express signals and with SIM socket • 1 full length PCI Express Mini Card add-on slot with USB 2.0 and PCI-Express signals

► I/O Interface

Ethernet	2 GbE signals	Display output	CRT Port
Serial Ports	2 COM ports at RS232 level	Misc. Signal	Power Button / Reset / HDD LED / LAN ACT / LINK LED / GPIO
USB Ports	6 USB 2.0 ports		

► Power Supply

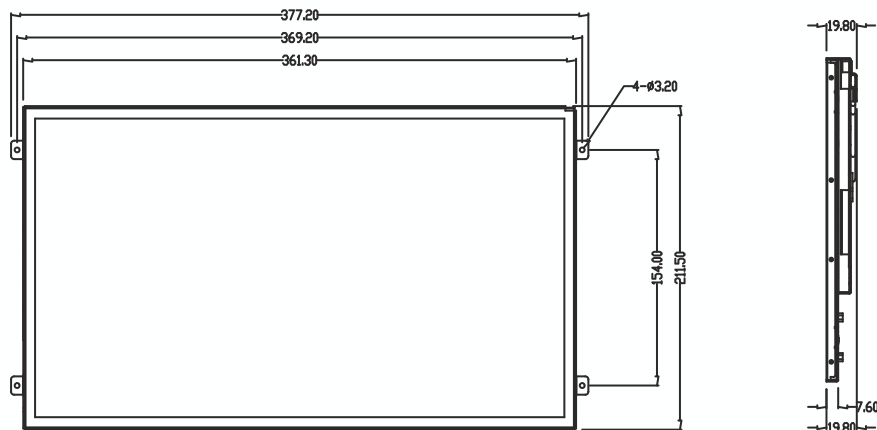
DC Input	DC input at 19V DC +/- 15% (DC power needs to be from an ADLINK IO board or external DC board)
Battery Pack (optional)	• Single Lithium-Ion Battery, 352P • Output: 11.1V, 5200 mAh • Backup power for AC power loss (Battery pack needs to connect with an ADLINK IO board or external DC board)
Power Consumption	31.7 W(TDP)

► Environmental

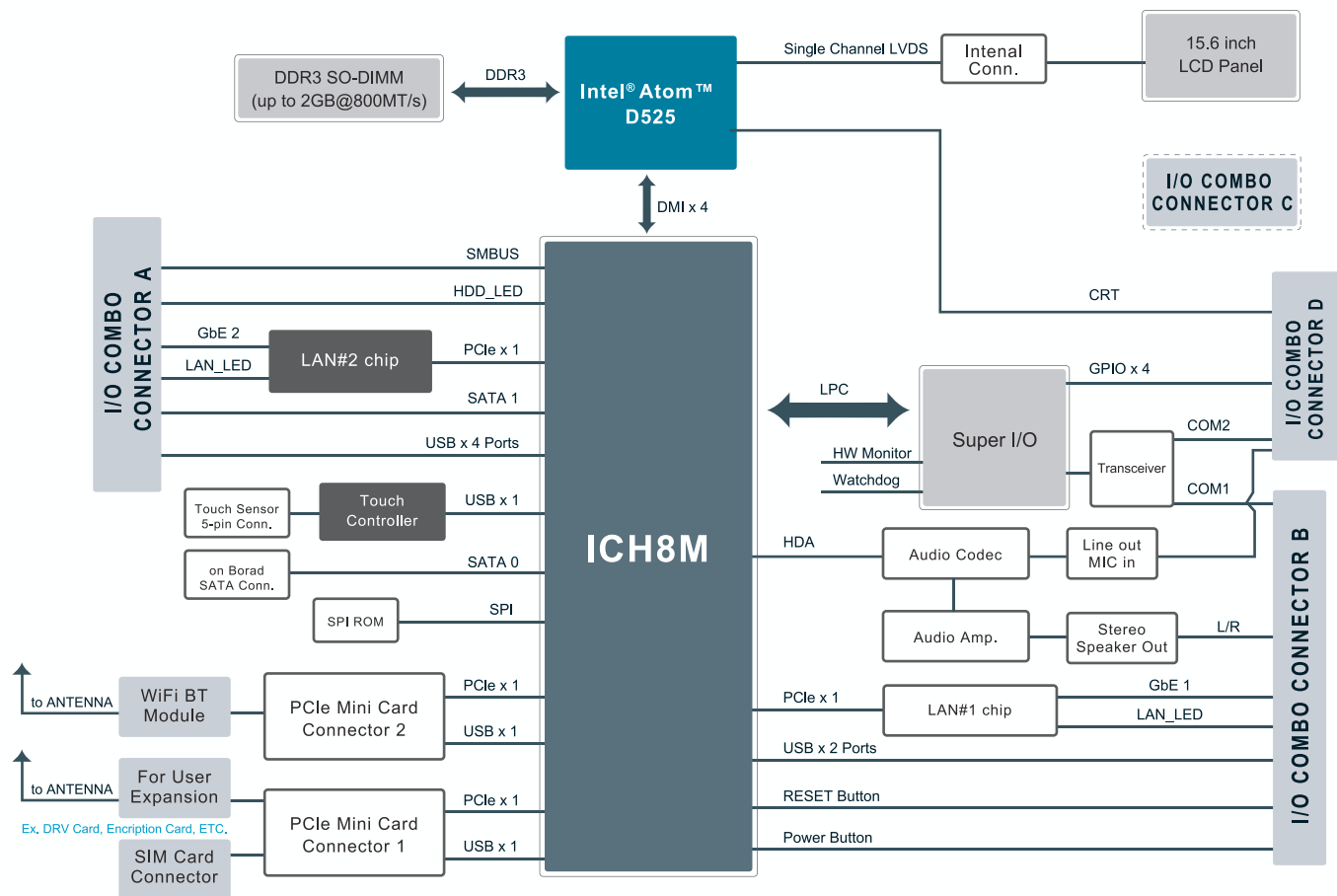
Operating Temperature	Standard: 0°C to 60°C
Storage Temperature (Non-Operation)	-20°C to 60°C
Humidity	0 - 90% @ 40°C (non-condensing)
Certification	CE, FCC Class A/B

► Dimensions / Weight

Units: mm / g	377.2 mm x 211.5 mm / 2084.2 g
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► CPU Block Diagram



► Ordering Information

Smart Panel (15.6" 16:9 smart panel with DDR3 667M T/S SO-DIMM module up to 2 GB)

Model Number	Description/Configuration
SP-15LW03-NNAR	Smart panel with 5-wire resistive touch sensor
SP-15LW03-NNAN	Smart panel without touch sensor

Starter Kit

Model Number	Description/Configuration
SP-15LW03-NNAR-EWP	SP-15LW03-NNAR starter kit with I/O board 1 (SP-15LW03-IO1), fan and heat-pipe dissipator , 2 GB DDR3 module, 1.8" 32 GB SSD, cable kits, stand, and power adaptor

Accessories (optional)

Model Number	Description/Configuration
SP-15LW03-IO1	Right-angle connectors I/O board with 19 V DC in, Power button, USB, LAN, DisplayPort, VGA, and COM ports
SP-15LW03-IO2	Vertical connectors I/O board with 19 V DC in, Power button, USB, LAN, DisplayPort, VGA, and COM ports

© More accessories (such as HMI chassis) are coming soon.

Please refer to the ADLINK website (www.adlinktech.com) for the latest ordering information.