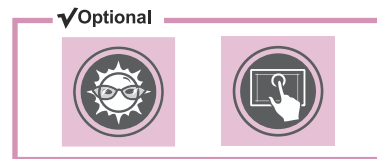




SP-860

8" Smart Panel with TI® AM3517 Cortex A8 Processor



► Features

- All-in-one design with TI Sitara AM3517 Cortex A8 Processor
- OS: Linux 2.6.x, WinCE 6.0, Android 2.2
- Built in Wi-Fi+BT SIP module
- Supports 2 LAN ports
- Stackable expansion capability
- High brightness, sunlight readable LCD display options
- Optional four-wire resistive touch sensor

► System Spec

Processor	TI-Sitara AM3517 Cortex-A8 processor 600 MHz NEON SIMD coprocessor and Vector FP coprocessor	LCD	Resolution: 800 x 3 (RGB) x 600 Back light: LED Contrast ratio: 500 typical Standard brightness: 250 Cd/m ² typical (without touch) Optional brightness enhancement: 1000 Cd/m ² typical (without touch)
Main Memory	256 MB DDR2 DRAM system memory, 2 GB NAND flash memory (4 GB optional)		
Graphics	Integrated Power-VR SGX 3D graphics accelerator	Storage	MicroSD slot x1
LCD	Supports Single Channel 18-bit LVDS LCD in resolution of 800x600 Size: 8.0 inch, 4:3 panel		

► I/O Interface

LAN Port 1	Internal 10/100 Mbps MAC+PHY	CAN BUS	Internal High-End CAN 2.0b Controller
LAN Port 2	External 10/100 Mbps controller	USB Port	4x USB 2.0 ports
Serial Port	1x COM at RS232 level	Audio Port	1x Line in / 1x Line out
Wi-Fi / Bluetooth	IEEE 802.11b/g/n & BT 2.1 + EDR		

► Expansions

CCDC Bus	Video input bus	I²C	I ² C1, I ² C2, and I ² C3 interface on B2B connector
Video Out	Integrated TV-out supports S-Video signal	McSPI	Supports Multi-channel Serial Port Interface (McSPI), up to two peripherals
MMC/SD/SDIO	Supports MMC/SD/SDIO interface (If on board WLAN/BT module not used)	McBSP	Supports Multi-channel Buffered Serial Port, provides a full-duplex direct serial Interface between the device and other devices in a system
UART	Supports two UARTs (one UART if on-board WLAN/BT module is in use)		

► Power Supply

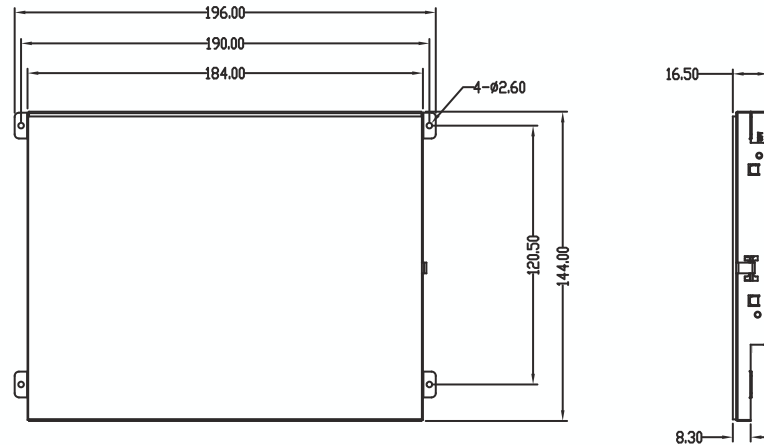
DC Input	DC input at 5V DC +/- 5% (DC power needs to be from an ADLink IO board or external DC board)
Power Consumption	13 W(TDP)

► Environmental

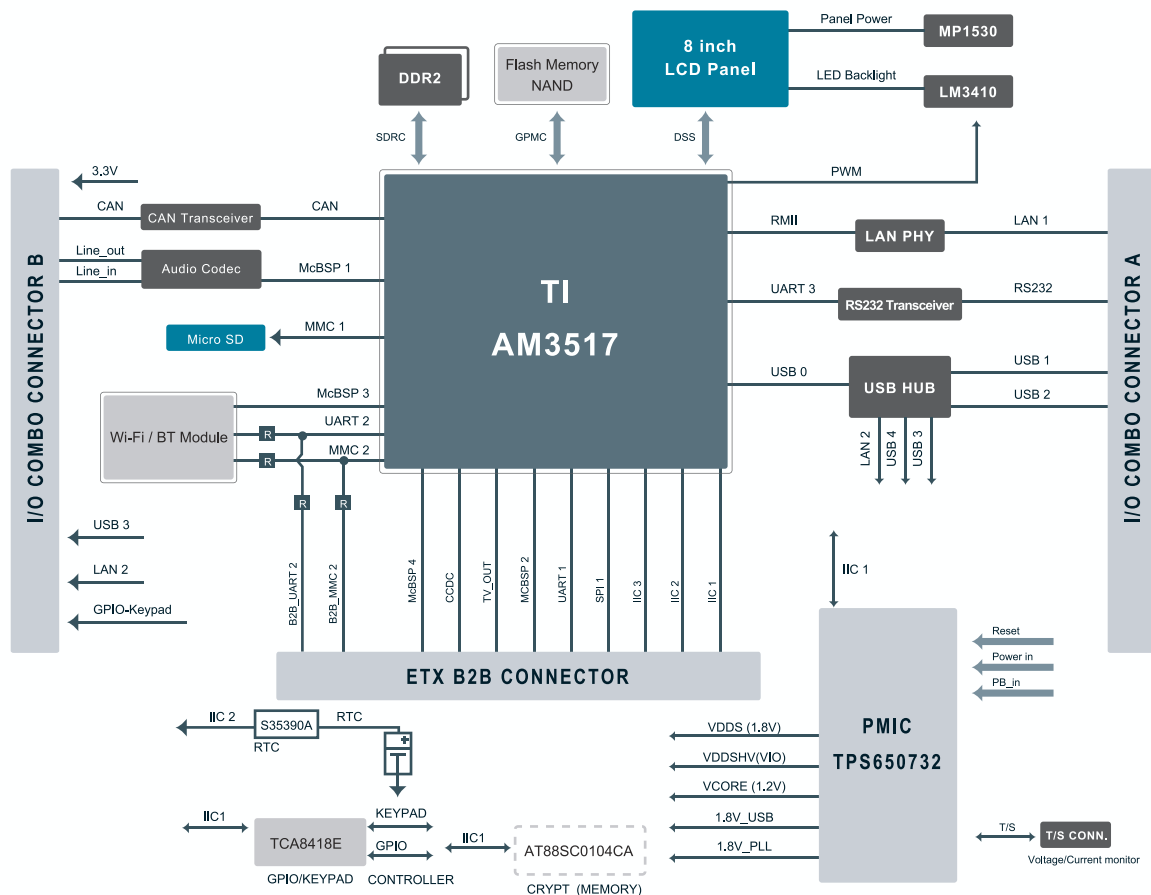
Operating Temperature	Standard: 0°C to 60°C
Storage Temperature (Non-Operation)	-30°C to 80°C
Humidity	0 - 90% @ 40°C (non-condensing)
Certification	CE, FCC Class A/B

► Dimensions / Weight

Units: mm / g 196 mm x 144 mm / 516.6 g



► CPU Block Diagram



► Ordering Information

Smart Panel (8" 4:3 smart panel with on board 256 MB DRAM and 2 GB flash)

Model Number	Description/Configuration
SP-860-2562SR	Optical-enhanced LCD display with four-wire resistive touch sensor, Linux OS
SP-860-2562AR	Standard LCD display with four-wire resistive touch sensor, Linux OS
SP-860-2562AN	Standard LCD display without touch sensor, Linux OS

Starter Kits

Model Number	Description/Configuration
SP-860-2562SR-EWP	SP-860-2562SR starter kit with I/O board 1 (SP-860-IO1), I/O board 2 (SP-860-IO2), cable kits, stand, and power adaptor
SP-860-2562AR-EWP	SP-860-2562AR starter kit with I/O board 1 (SP-860-IO1), I/O board 2 (SP-860-IO2), cable kits, stand, and power adaptor

Accessories (optional)

Model Number	Description/Configuration
SP-860-IO1	Vertical connector I/O board 1 with DC 5 V in, 1x UART (at RS232 level), 2x USB, 1x LAN RJ45, power button, reset button and power LED
SP-860-IO2	Vertical connector I/O board 2 with 1x LAN RJ45, audio line in, audio line out, 1x CAN bus, 1 set PCI Express Mini Card (at USB level) and SIM slots, and 1x USB (PCIe mini card slot and USB operate alternatively)

© Models with Android and WinCE operating systems, and more accessories (such as HMI chassis) are coming soon. Please refer to the ADLINK website (www.adlinktech.com) for the latest ordering information.