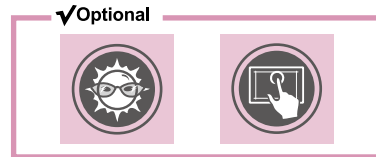




> Features

- All-in-one design with TI - Sitara AM3517 Cortex A8 Processor
- Built in Wi-Fi+BT SIP module
- Stackable expansion capability
- OS: Linux 2.6.32; WinCE 6.0; Android 2.3.4
- Supports 2 LAN ports
- High brightness, sunlight readable LCD display options
- Optional four-wire resistive touch sensor



> System Spec

Processor	TI-Sitara AM3517 Coretex-A8 processor 600 MHz NEON SIMD coprocessor and Vector FP coprocessor
Main Memory	256 MB DDR2 DRAM system memory, 2 Gb NAND flash memory
Graphics	Integrated Power-VR SGX 3D graphics accelerator
LCD	Supports 24-bit TTL LCD in resolution of 800x600 Size: 8.0 inch, 4:3 panel 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: 800 Cd/m ² typical (without touch)
Storage	MicroSD slot x1

> Power Supply

DC Input	DC input at 5V DC +/- 5% (DC power must be supplied from an ADLink IO board or external DC board)
Power Consumption	Fully loaded: 13 W

> Environmental

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

> I/O Interface

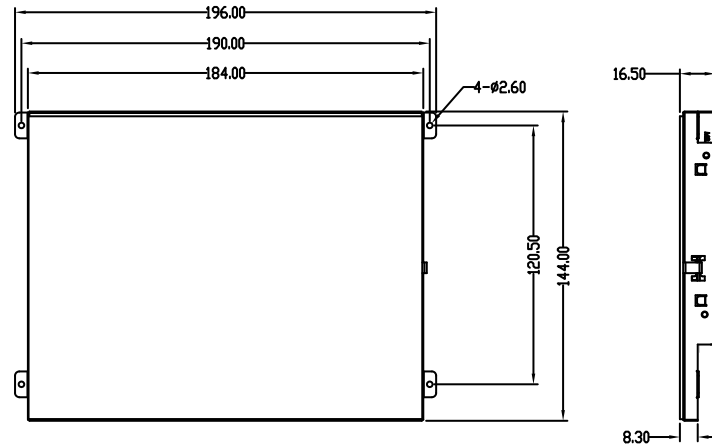
Ethernet	2x 10/100 Mbps LAN
Serial Port	1x COM at RS232 level
Wi-Fi / Bluetooth	IEEE 802.11b/g/n & BT 2.1 + EDR
CAN BUS	High-End CAN 2.0b Controller
USB Port	3x USB 2.0 ports
Audio Port	1x Line in / 1x Line out

> Expansions (Optional)

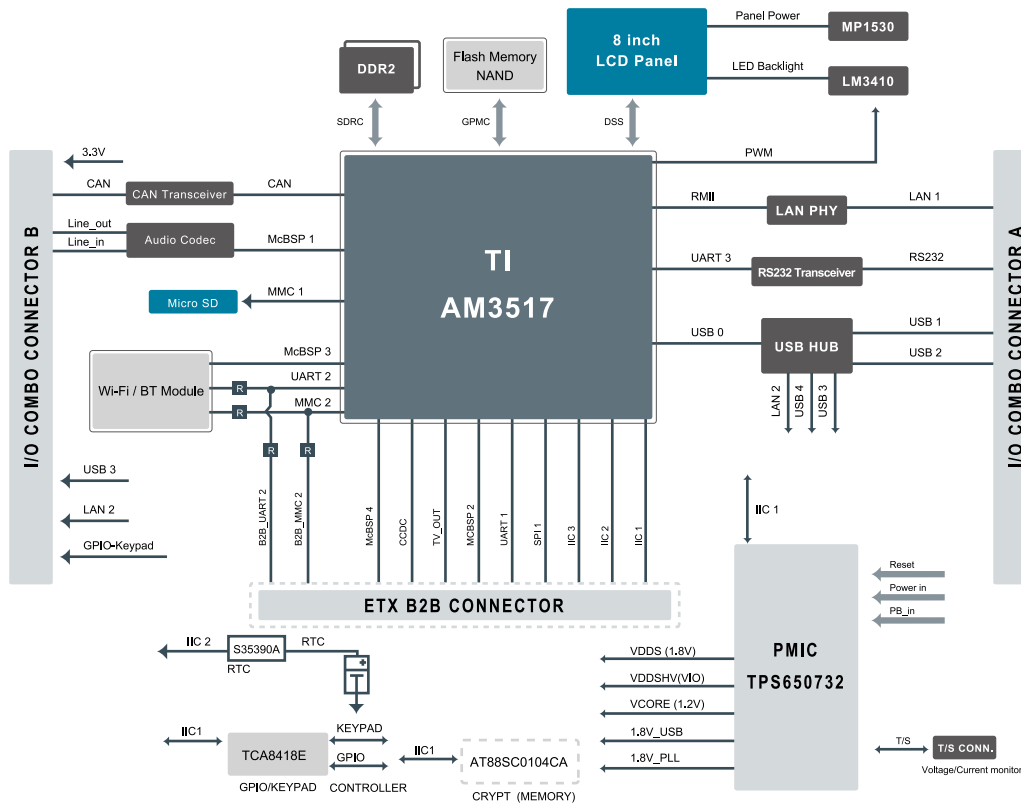
CCDC Bus	Video input bus
Video Out	Integrated TV-out supports S-Video signal
MMC/SD/SDIO	Supports MMC/SD/SDIO interface (if on board WLAN/BT module not used)
UART	Supports two UARTs (one UART if on-board WLAN/BT module is in use)
I ² C	I ² C1, I ² C ² , and I ² C3 interface on B2B connector
McSPI	Supports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

Dimensions / Weight

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



CPU Block Diagram



Ordering Information

Smart Panel

Model Number	Description/Configuration
SP-860-2562SR	SP-860-2562SR(EA) Optical-enhanced LCD display with 4-wire resistive touch sensor; OS Linux
SP-860-2562AR	SP-860-2562AR(EA) Standard LCD display with 4-wire resistive touch sensor; OS Linux

Starter Kit

Model Number	Description/Configuration
SP-860-2562SR-EWP	SP-860-2562SR-EWP(EA) Starter kit of SP-860-2562SR 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-EWP(EA) Starter kit of SP-860-2562AR 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 connectors I/O board 1 of DC 5V in, 1x COM (at RS232 level), 2x USB, 1x LAN RJ45, power button, reset button and power LED
SP-860-IO2	Vertical connectors I/O board 2 of 1x LAN RJ45, Audio Line in, Audio Line out, 1x CAN bus, and 1x USB
SP-860 I/O Cable Kit	SP-860 I/O Cable Kit
AC-DC Adaptor 15W	Input: 90~264V, 15W; Output: 5VDC/3A; Frequency: 47 - 63Hz Efficiency: 74% No power cord

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[SMARTPANEL-IO-BRD2](#) [SP-860-2562SR](#) [SP-860-IO1](#) [SP-860-IO2](#) [SP-860 I/O Cable Kit](#) [SP-860-2562AR](#) [ACDC-](#)
[ADPT-15W](#)