

ARM



## 5.7"/7" ARM-Based Panel Computer with Samsung S3C2451 Processor

APP-057/070 are designed with 5.7" and 7" industrial grade LED backlight LCD display and high sensitive resistive touch, and provide front panel IP65 protection. Ultra - low power and truly fanless design for industrial HMI application. Easy access SD and CF card design provide flexible storage interface. Furthermore APP-057/070 provide external I/O (Serial, Ethernet, DIO) port protection. Linux and WinCE supported.

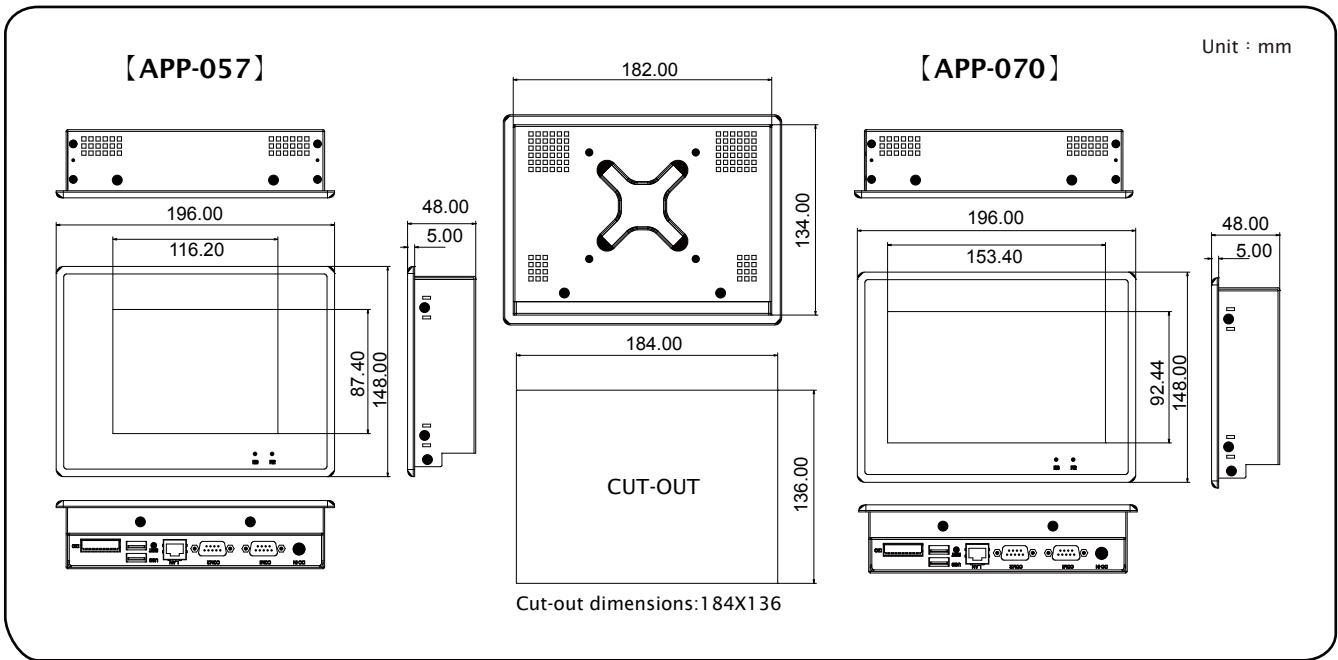
### Features

- Front panel aluminum die-casting / rear metal chassis / fanless design
- Front panel IP65-Dustproof and Waterproof
- Wide temperature operating capability
- Ultra-low power consumption
- External I/O surge protection
- Easy access CF / SD card
- Optional outdoor viewable (Cabinet)
- Panel mount / VESA 75 x 75 (optional)

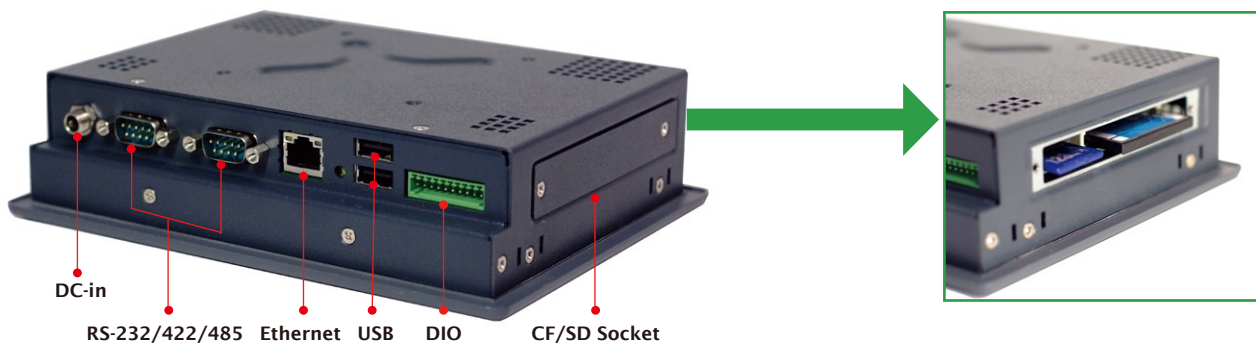
### Specifications

		APP-057	APP-070
System	CPU	ARM9 CPU (Samsung S3C2451 400MHz)	
	ROM	128M byte Nand Flash (Boot device)	
	RAM	64(128)M byte DDR2 SDRAM	
	Ethernet	IEEE 802.3u compliant 10/100 Mbps fast Ethernet with Auto-MDIX	
	Storage	CF 3.0 type I/II (at side I/O) true IDE, UDMA-66, no hot-plug SD2.0 (SDHC) (support Boot from SD)	
	Dimension	196 (W) x 148 (H) x 48 (D) mm	
	Weight	1.3 kg	
	OS Support	WinCE 5.0, WinCE 6.0, Linux	
Industrial Grade Display	Display Type	5.7" TFT LCD	7.0" TFT LCD
	Max Resolution	640 x 480 pixels	800 x 480 pixels
	Colors	262k colors	262k colors
	Luminance	700 cd/m <sup>2</sup> (LED backlight)	500 cd/m <sup>2</sup> (LED backlight)
	Contrast Ratio	800 : 1	600 : 1
	Viewing Angel(CR=10)	80°(left), 80°(right), 70°(up), 70°(down)	70°(left), 70°(right), 60°(up), 60°(down)
Touch Screen	Dimming Control	10 level brightness control	
	Touch Screen Type	5-wire Analog resistive	4-wire Analog resistive
I/O Interface	Serial	2 x UART (RS-232/422/485)	
	USB	2 x USB 1.1 host	
	Ethernet	1 x RJ45 connector for 10/100 base T	
	DIO	4 x Digital Input, 4 x Digital Output	
Power	DC Input Voltage	DC 12V~24V input (9V~32V margin)	
	Power Consumption	Max 10 watt, suspend mode supported (EUP)	
Environment	Temperature/Humidity	Operating : -20°C~65°C w/industrial grade CF card / 20%~85% RH, non-condensing	Operating : -20°C~60°C w/industrial grade CF card / 20%~85% RH, non-condensing
	Certifications	CE, FCC, VCCI	
	Protection Class	Front panel IP65 (NEMA4)	

### Dimensions



### I/O Diagram



### Ordering Information

Part No.	Description
APP-057-R00	ARM-Based 5.7" Panel Computer w/ ARM9 CPU, resistive T/S
APP-070-R00	ARM-Based 7.0" Panel Computer w/ARM9 CPU, resistive T/S