

# IPPC-H04 IPPC-H07 / IPPC-H10

Samsung S3C2440A-40 400MHz Panel PC

ARM-Based HMI   



## I/O View



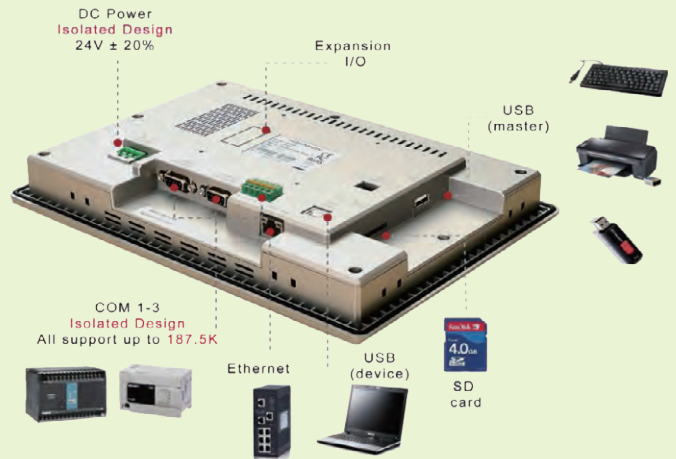
H07 I/O



H10 I/O

## Features

- RISC 400MHz processor
- Supports 64MB memory
- Front keypads for OSD adjustment and function keys for IPPC H07/N10
- IP65 front-panel protection
- Resistive touch panel
- Fanless design



01 Vertical Applications Panel PC

02 Stainless Steel Panel PC

03 All-In-one Panel PC with Riser Card Expansion

04 Compact Panel PC

05 Heavy-duty Industrial Panel PC

06 ARM-Based Panel PC

07 ARM-Based HMI

# IPPC-H04 / IPPC-H07 / IPPC-H10

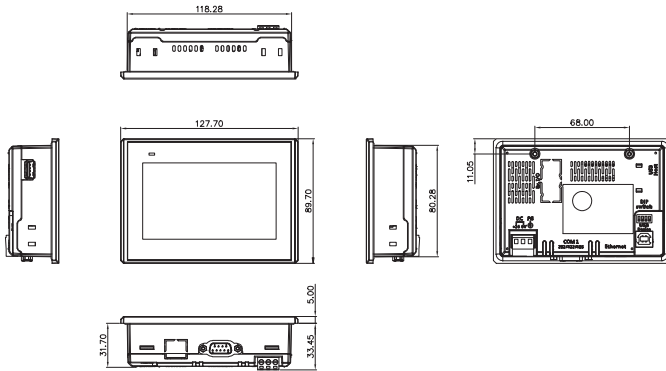
## Specifications

Model No.		IPPC-H04L-P	IPPC-H04L-N	IPPC-H07L-P	IPPC-H07L-N	IPPC-H10L-P	IPPC-H10L-N
System	Processor	SAMSUNG S3C2440A-40 400MHz processors					
	System Memory	Onboard DDR2 128MB 400 MHz					
External I/O	USB	1x USB 1.1 host type A 1x USB 2.0 device type B		USB: 1x Device, 1x Host			
	Serial/Parallel	1x RS232 DB9, COM1 1x RS422/485 share DB9, COM1		1x RS232 COM1 1x RS422/485 COM2	2x RS232/422/485 COM1/2 1x RS422/485 COM3	2x RS232/422/485 COM1/2	2x RS232/422/485 COM1/2 1x RS422/485 COM3
	Audio	None					
	Graphics	None					
	LAN	None	1x 10/100 base-T RJ45	None	1x 10/100M	None	1x 10/100M
	Digital I/O	None		None			
	Keyboard/Mouse	None		None			
	Membrane Control	None		Front home key			
	Power	DC 24V±20%		24V±20% DC, isolated power			
Storage Space	HDD	Onboard 128M Flash					
	Removable Slot	None		1x SD card			
Expansion	Onboard Expansion Bus	None					
	Expansion Slot	None					
Display	Display Type	4.3" TFT LCD		7" TFT LCD		10.2" TFT LCD	
	Max. Resolution	480 x 272		800 x 480			
	Max. Color	65536		65536			
	Luminance (cd/m <sup>2</sup> )	330		250			
	View Angle (H°/V°)	140/120		140/120		140/100	
	Contrast	500:1					
	Backlight Lifetime(hrs)	20000					
Touch Screen	Type	4-wire resistive touch					
	Interface	Built-in processor					
	Light Transmission (%)	78					
Power	Power Input	24V±20% DC, Isolated power					
Mechanical	Construction	Plastic					
	IP Rating	IP65 (Front panel with mount)					
	Mounting	Panel mount only					
	Dimensions (mm)	127.7 x 89.7 x 36.7		199.8 x 147.8 x 40.1		279.5 x 195.5 x 40.1	
	Net Weight (kgs)	0.25kgs		1.0kg		1.52kg	
Environmental	Operating Temperature	0°C~ 40°C		0°C~ 50°C			
	Storage Temperature	-20°C~60°C					
	Storage Humidity	10~90RH (No frosting)					
	Certification	FCC class A EN 55022:2006 complies, class A, EN 61000-3-2:2006 EN 61000-3-3:1995 + A1:2001 + A2:2006 standard					
	Supported Operating Systems	Linux 2.6X					

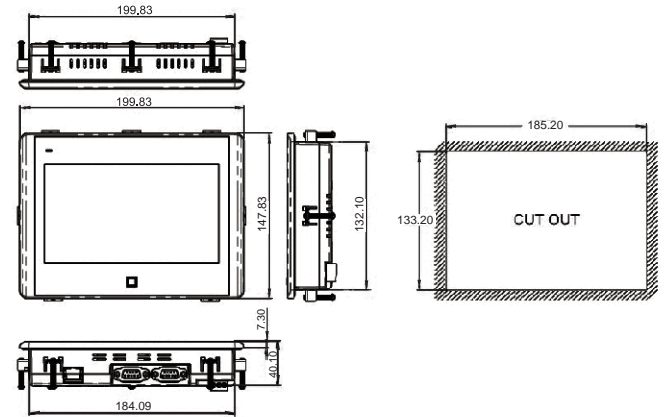
# IPPC-H04 / IPPC-H07 / IPPC-H10

## Dimensions

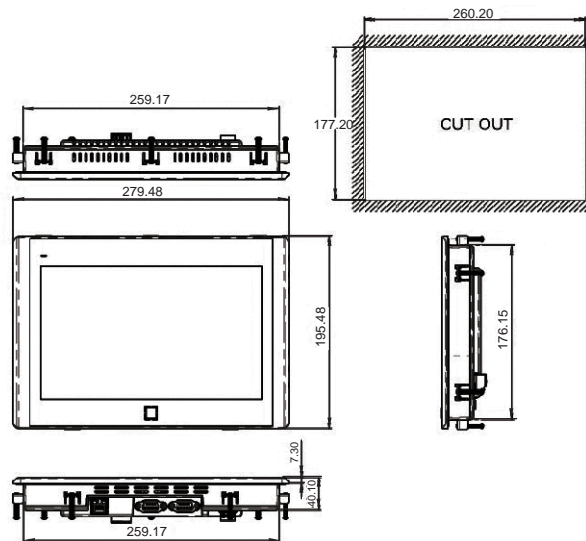
IPPC-H04L



IPPC-H07L



IPPC-H10L



## Ordering Information

IPPC-H04-P (With iFace) IPPC-H04L-P (Pure Linux)	4.3" RISC PPC, 480x272 pixel, 64K color, ARM 400MHz, Flash 128M, RAM 128M, Data Memory 8K, COM1 (RS232/RS422/485), USB (1 Host/1Device), 24V ± 20% DC
IPPC-H04-N (With iFace) IPPC-H04L-N (Pure Linux)	4.3" RISC PPC, 480x272 pixel, 64K color, ARM 400MHz, Flash 128M, RAM 128M, Data Memory 8K, COM1 (RS232/RS422/485), USB (1 Host/1Device), Ethernet, 24V ± 20% DC
IPPC-H07-P (With iFace) IPPC-H07L-P (Pure Linux)	7" RISC PPC, 800x480 pixel, 64K color, ARM 400MHz, Flash 128M, RAM 128M, Data Memory 8K, COM1 (RS232), COM2 (RS422/485), USB (1 Host/1Device), 24V ± 20% DC
IPPC-H07-N (With iFace) IPPC-H07L-N (Pure Linux)	7" RISC PPC, 800x480 pixel, 64K color, ARM 400MHz, Flash 128M, RAM 128M, Data Memory 8K, COM1 (RS232/422/485), COM2 (RS232/422/485), COM3 (RS422/485), USB (1 Host/1Device), Ethernet, SD Card, 24V ± 20% DC
IPPC-H10-P (With iFace) IPPC-H10L-P (Pure Linux)	10.2" RISC PPC, 800x480 pixel, 64K color, ARM 400MHz, Flash 128M, RAM 128M, Data Memory 8K, COM1 (RS232/422/485), COM2 (RS232/422/485), USB (1 Host/1Device), 24V ± 20% DC
IPPC-H10-N (With iFace) IPPC-H10L-N (Pure Linux)	10.2" RISC PPC, 800x480 pixel, 64K color, ARM 400MHz, Flash 128M, RAM 128M, Data Memory 8K, COM1 (RS232/422/485), COM2 (RS232/422/485), COM3 (RS422/485), USB (1 Host/1Device), Ethernet, SD Card, 24V ± 20% DC