

Heavy-Duty Industrial Panel PC

IPPC15B7-RE/IPPC15B9-RE/
IPPC17B9-RE/IPPC19B9-RE



Highlight

- Fanless design modularized Panel PC
- IP65 front panel protection
- 5-wire resistive touch panel
- Slim & compact design

Features



Modular design,
swappable
Computing box
(For 15" model only)



Intel® Core I platform,
fanless (B9 series)

I/O View



IPPC B9 Series I/O



Riser card expansion
B9 series 2 X PCI
B7 series 1 X PCI



Optional wide-range
DC power B7 series
only



IPPC B7 Series I/O

01 Stainless Steel Panel PC
02 An-iron Panel PC with Riser Card Expansion
03 Compact Panel PC
04 Heavy-Duty Industrial Panel PC
05 iBASE Medical Solution
06 ARM-Based Panel PC
07 ARM-Based HMI

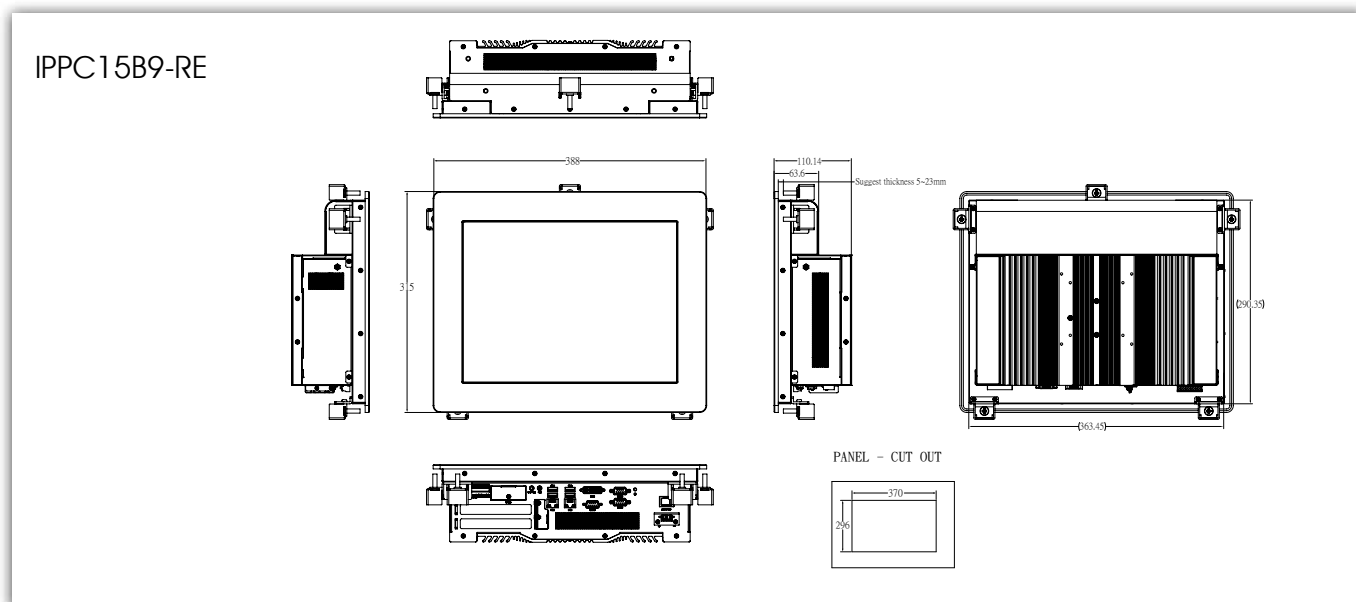
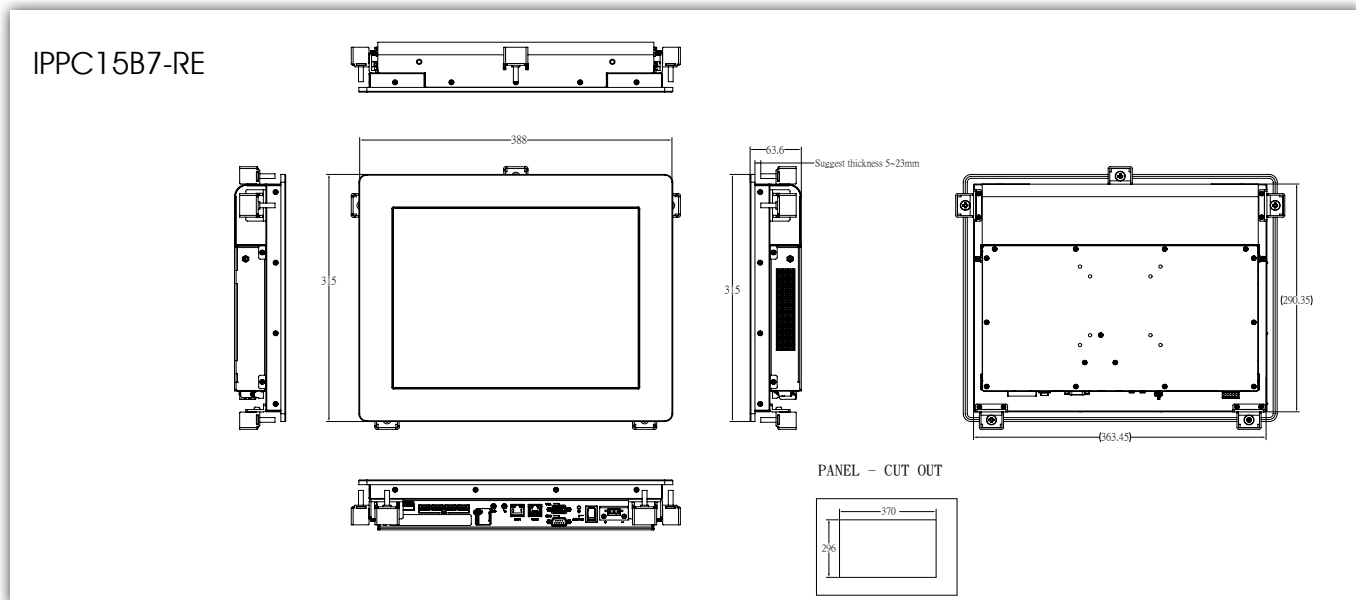
Heavy-Duty Industrial Panel PC

Specification

Model No.	IPPC15B7-RE	IPPC15B9-RE	IPPC17B9-RE	IPPC19B9-RE
System				
Processor	Intel® Atom™ Processor D2550 1M Cache, 1.86GHz		Intel® Core i3-2340UE 1.3GHz	
System Memory	1x DDR3-1066 SO-DIMM Up to 4GB		2x DDR3 1333 SO-DIMM Up to 16GB	
External I/O				
USB	4x USB 2.0		2x USB 2.0 2x USB 3.0	
Serial/Parallel	1x D-SUB9 RS-232/422/485 COM1		3x D-SUB9 COM1/COM2/COM3	
Audio	MIC in/ Line out phone jack			
Graphics	1x VGA		1x DVI-I	
LAN	2x GbE LAN RJ-45			
Digital I/O	1x Digital I/O			
Keyboard/Mouse	None			
Membrane Control	None			
Power	1x 3pin DC power connector 1x Power on/off rock switch			
Storage Space				
HDD	1x 2.5" SATA2			
Movable Slot	None		1x CFAST slot	
Expansion				
Onboard Expansion Bus	1x Mini-PCIe half/full size		2x Mini-PCIe half/full size	
Expansion Slot	1 x PCI slot		2 x PCI slot	
Display				
Display Type	15" TFT-LCD		17" TFT-LCD	19" TFT-LCD
Max. Resolution	1024 x768		1280 x 1024	
Max. Color	16.2M		16.7M	
Luminance (cd/m2)	400		350	
View Angle (H°/V°)	160/140		170/170	170/160
Contrast	700:1		800:1	1000:1
Backlight Lifetime(hrs)	50000			
Touch Screen				
Type	Resistive			
Interface	USB			
Light Transmission (%)	80		81	
Power				
Power Input	9V~32V DC input 12V DC input(option)		12V~24VDC input	
Mechanical				
Construction	Aluminum front bezel and black steel back cover with aluminum heat-sink			
IP Rating	IP65 front bezel			
Mounting	Panel and VESA 75x75mm / 100x100mm			
Dimensions (mm)	388 x 315 x 63.6	388 x 315 x 110.14	430 x 365 x 118.1	465 x 390 x 118.1
Net Weight (kgs)	6.5kgs	7.9kgs	TBD	TBD
Environment				
Operating Temperature(°C)	0°C~ 50°C			
Storage Temperature(°C)	-20°C~60°C			
Storage Humidity	10%~90% (non-condensing)			
Certification	CE/FCC Class B			
Operating System Support	Windows Embedded Standard 7, Windows 7 Pro for Embedded			

Heavy-Duty Industrial Panel PC

Dimensions



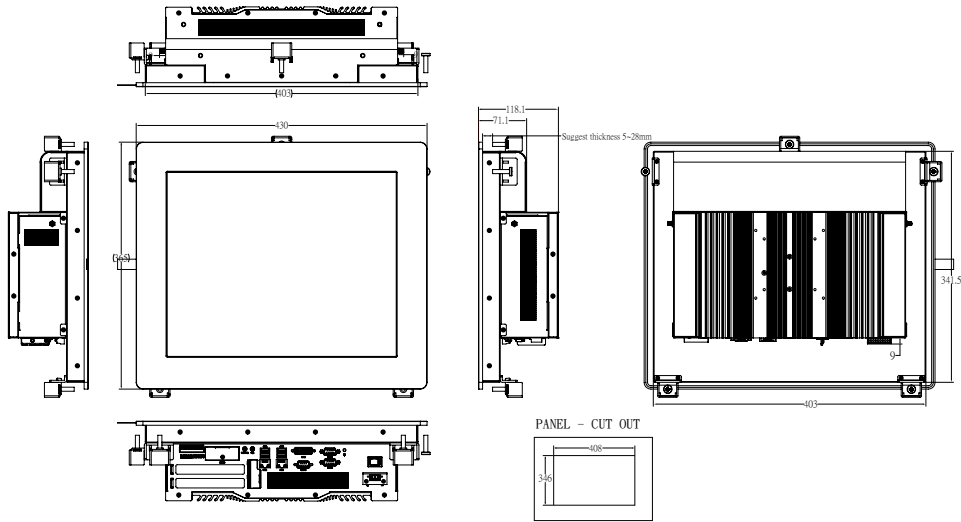
Ordering Information

IPPC15B7-RE	15" Modularized Panel PC, Intel® Atom™ D2550 1.86GHz, with 2GB DDR3 SO-DIMM, 320GB HDD, 9~32V DC, and resistive touch, w/o power adaptor
IPPC15B9-RE	15" Modular Panel PC with resistive touch Intel® Core™ i3-2340UE 1.3GHz CPU, 4GB DDR3-1333 SO-DIMM, 320G HDD, 12~24V wide range DC input, w/o power adaptor
Power adaptor	AC 90~240V input, 12V DC output 84W power adaptor IBASE P/N: A005PS084W0050000P

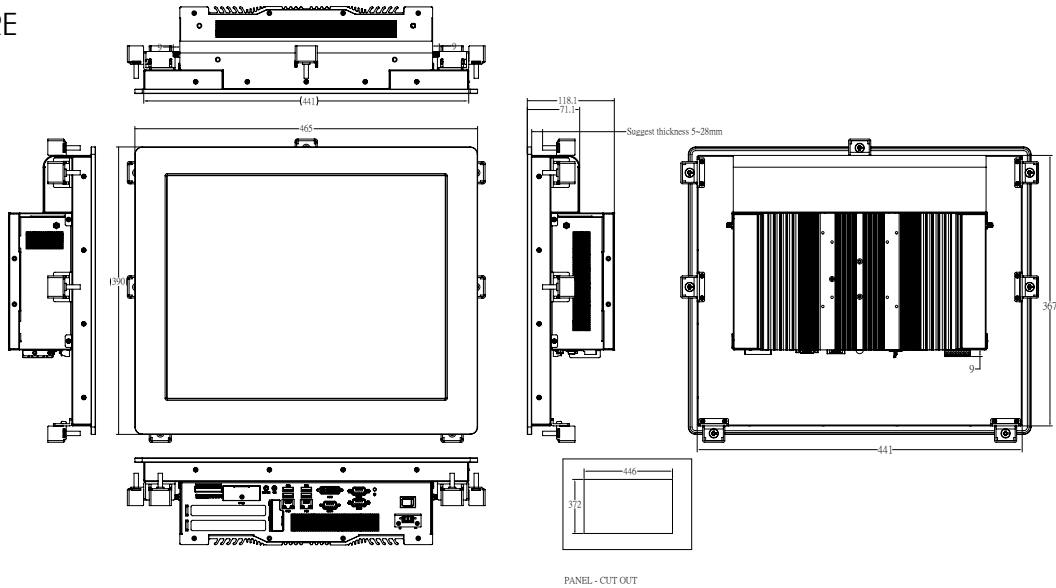
Heavy-Duty Industrial Panel PC

- 01 Stainless Steel Panel PC
- 02 All-in-one Panel PC with Riser Card Expansion
- 03 Compact Panel PC
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- 05 iBASE Medical Solution
- 06 ARM-Based Panel PC
- 07 ARM-Based HMI

IPPC17B9-RE



IPPC19B9-RE



Ordering Information

IPPC17B9-RE	17" Modular Panel PC with resistive touch Intel® Core™ i3-2340UE 1.3GHz CPU, 4GB DDR3-1333 SO-DIMM, 320G HDD, 12V-24V wide range DC input, w/o power adaptor
IPPC19B9-RE	19" Modular Panel PC with resistive touch Intel® Core™ i3-2340UE 1.3GHz CPU, 4GB DDR3-1333 SO-DIMM, 320G HDD, 12V-24V wide range DC input, w/o power adaptor
Power adaptor	AC 90~240V input, 12V DC output 84W power adaptor IBASE P/N: A005PS084W0050000P

Heavy-Duty Industrial Panel PC

IPPC08A7-RE/IPPC12A7-RE/
IPPC15A7-RE/ IPCC17A7-RE/
IPPC19A7-RE



Highlight

- Fanless design Panel PC
- Intel® Atom™ processor
- IP65 front-panel protection
- 5-wire resistive touch panel
- Slim & compact design

Features



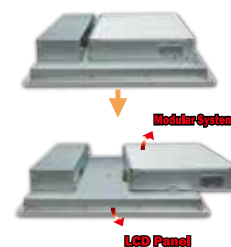
Aluminum front bezel



Auto dimming sensor
(IPPC08A7 not included)



Brightness and volume control
F1~F5 function key
(IPPC08A7 not included)



Modular design-easy to maintain
(IPPC08A7 not included)

I/O View



IPPC08A7-RE I/O



IPPC19A7-RE I/O



IPPC12A7-RE I/O



IPPC15A7-RE I/O



IPPC17A7-RE I/O

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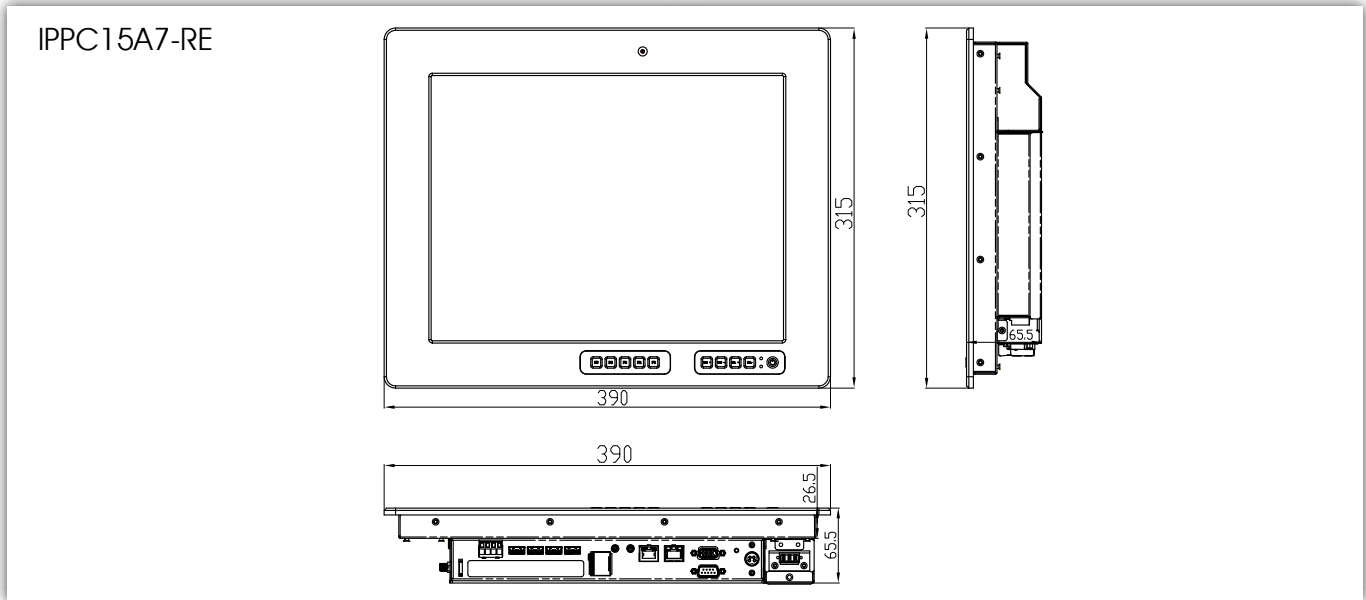
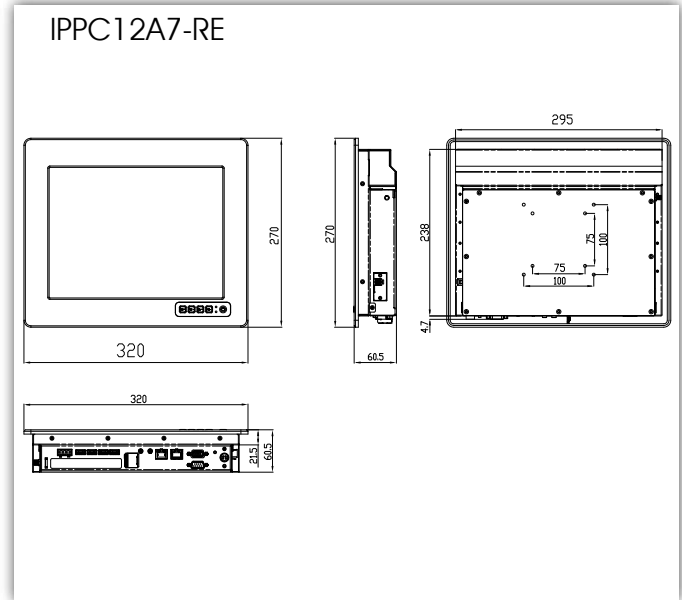
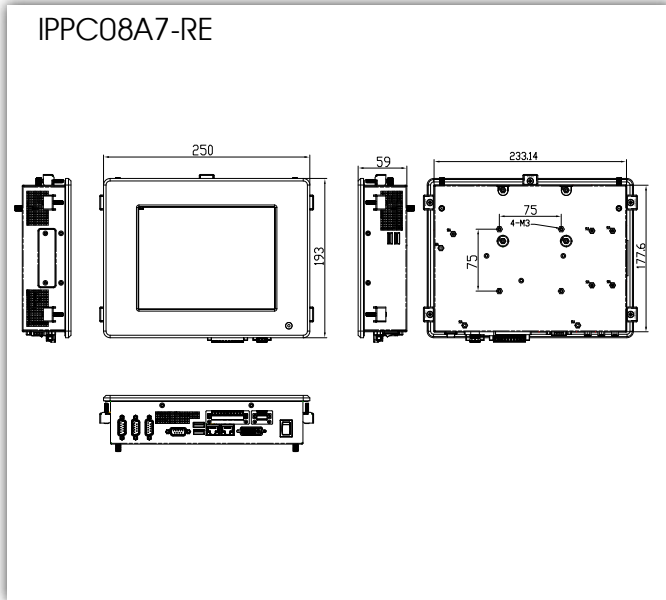
Heavy-Duty Industrial Panel PC

Specification

Model No.	IPPC08A7-RE	IPPC12A7-RE	IPPC15A7-RE	IPPC17A7-RE	IPPC19A7-RE
System					
Processor	Intel® Atom™ Processor N2600 1.6GHz		Intel® Atom™ Process D2550 1M Cache, 1.86GHz		
System Memory	1x DDR3-1066 SO-DIMM up to 2GB		2x DDR3 1600MHz DIMM, Max. 16GB (Non-ECC)		
External I/O					
USB	4x USB2.0		4x USB 2.0 (USB Host, A-Type)		
Serial/Parallel	4x COM ports (COM1:RS-232/422/485)		1x COM1 RS-232/422/485		
Audio	None		1x speaker-out microjack 1x Mic-in microjack		
Graphics	1x DVI-I		1x VGA		
LAN	2x GbE LAN				
Digital I/O	1x Digital I/O				
Keyboard/Mouse	None				
Membrane Control	None		OSD Function Key 1		OSD Function Key 1 OSD Function Key 2
Power	1x 3pin DC power connector 1x Power on/off switch		1x DC power jack		
Storage Space					
HDD	1x 2.5" SATA				
Movable Slot	1x CFAST slot		None		
Expansion					
Onboard Expansion Bus	1x Mini-PCIe half/full size *Full-sized MiniPCIe(1x) support mSATA		1x Mini-PCIe half/full size		
Expansion Slot	None		1x PCI slot		
Display					
Display Type	8.4" TFT-LCD	12" TFT-LCD	15" TFT-LCD	17" TFT-LCD	19" TFT-LCD
Max. Resolution	800 x 600	1024 x 768		1280 x 1024	
Max. Color	262K	16.2M		16.7M	
Luminance (cd/m2)	350	500	400	350	
View Angle (H°/V°)	150/130	160/160	160/140	170/170	170/160
Contrast	600:1	700:1		800:1	1000:1
Backlight Lifetime(hrs)	50000	50000			
Touch Screen					
Type	Resistive				
Interface	USB				
Light Transmission (%)	80	81	80	81	81
Power					
Power Input	12~24V DC input		12V DC input		
Mechanical					
Construction	Aluminum Front Bezel & SGCC		Aluminum & SGCC		Aluminum & SGCC
IP Rating	IP65 front bezel				
Mounting	Panel and VESA 75x75mm		Panel and VESA 75x75mm / 100x100mm		
Dimensions (mm)	250 x 193 x 58.5	320 x 270 x 60.5	390 x 315 x 65.5	430 x 365 x 73	465 x 390 x 73
Net Weight (kgs)	2.3kgs	4.9kgs	6.2kgs	8.1kgs	9.1kgs
Environment					
Operating Temperature(°C)	0°C~ 45°C				
Storage Temperature(°C)	-20°C~ 60°C				
Storage Humidity	5%~90% @ 45°C (non-condensing)				
Certification	CE/FCC Class B				
Operating System Support	Windows Embedded Standard 7, Windows 7 Pro for Embedded				

Heavy-Duty Industrial Panel PC

Dimensions



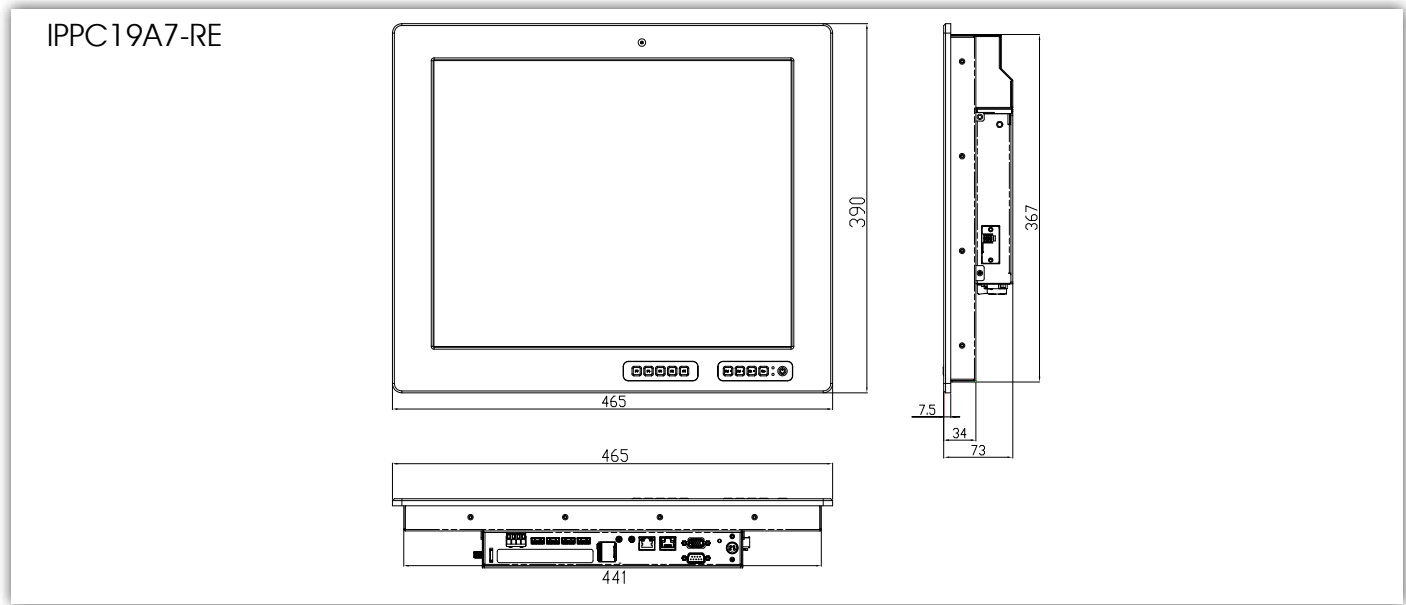
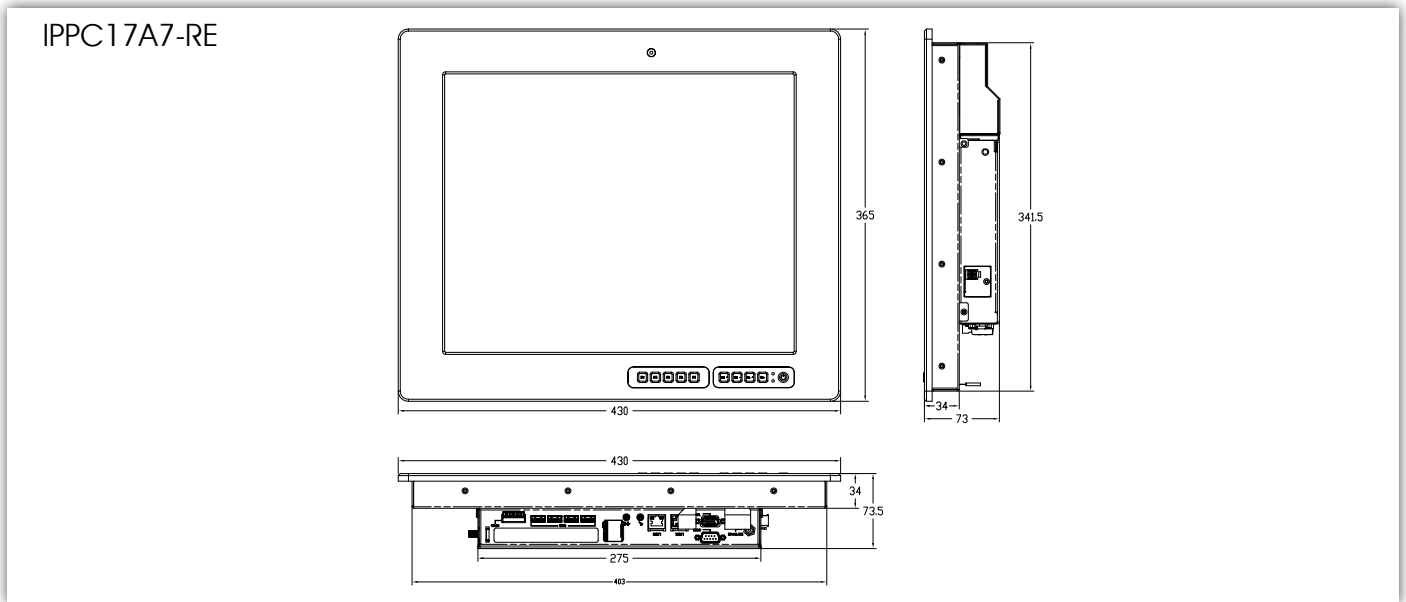
Ordering Information

IPPC08A7-RE	8.4" Industrial Panel PC, Intel® Atom™ N2600 (1M Cache, 1.6GHz), resistive touch, w/o CFast & Memory, w/ 60W power adaptor
IPPC12A7-RE	12" Modularized Panel PC, Intel® Atom™ D2550 1.86GHz, with 2GB DDR3 SO- DIMM, 320GB HDD and resistive touch, w/o power adaptor
IPPC15A7-RE	15" Modular Panel PC, Intel® Atom™ D2550 1.86GHz, with 2GB DDR3 SO-DIMM, 320GB HDD and resistive touch, w/o power adaptor
Power adaptor	AC 90~240V input, 12V DC output 84W power adaptor IBASE P/N: A005PS084W0050000P

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Heavy-Duty Industrial Panel PC

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Ordering Information

IPPC17A7-RE	17" Modular Panel PC with resistive touch Intel® Atom™ Processor D2550 CPU, 2GB DDR3 SO-DIMM, 320G HDD, 12V DC input, w/o power adaptor
IPPC19A7-RE	19" Modular Panel PC with resistive touch Intel® Atom™ Processor D2550 CPU, 2GB DDR3 SO-DIMM, 320G HDD, 12V DC input, w/o power adaptor
Power adaptor	AC 90~240V input, 12V DC output 84W power adaptor IBASE P/N: A005PS084W0050000P

Heavy-Duty Industrial Panel PC

IPPC17A9-RE / IPPC19A9-RE



Highlight

- 2nd/3rd Generation Intel® Core™ processor
- 12V~24V wide-range DC-in power input
- Auto brightness adjustment w/ front dimming sensor
- Front keypads for OSD adjustment and function keys
- Two PCI expansion slots
- IP65 front-panel protection

Features



Aluminum front bezel



Auto dimming sensor



Brightness and volume control
 F1~F5 function key
 Network and Serial port working
 LED indication

I/O View



IPPC17A9-RE I/O



IPPC19A9-RE I/O

01	Stainless Steel Panel PC
02	Arm-one Panel PC with Riser Card Expansion
03	Compact Panel PC
04	Heavy-Duty Industrial Panel PC
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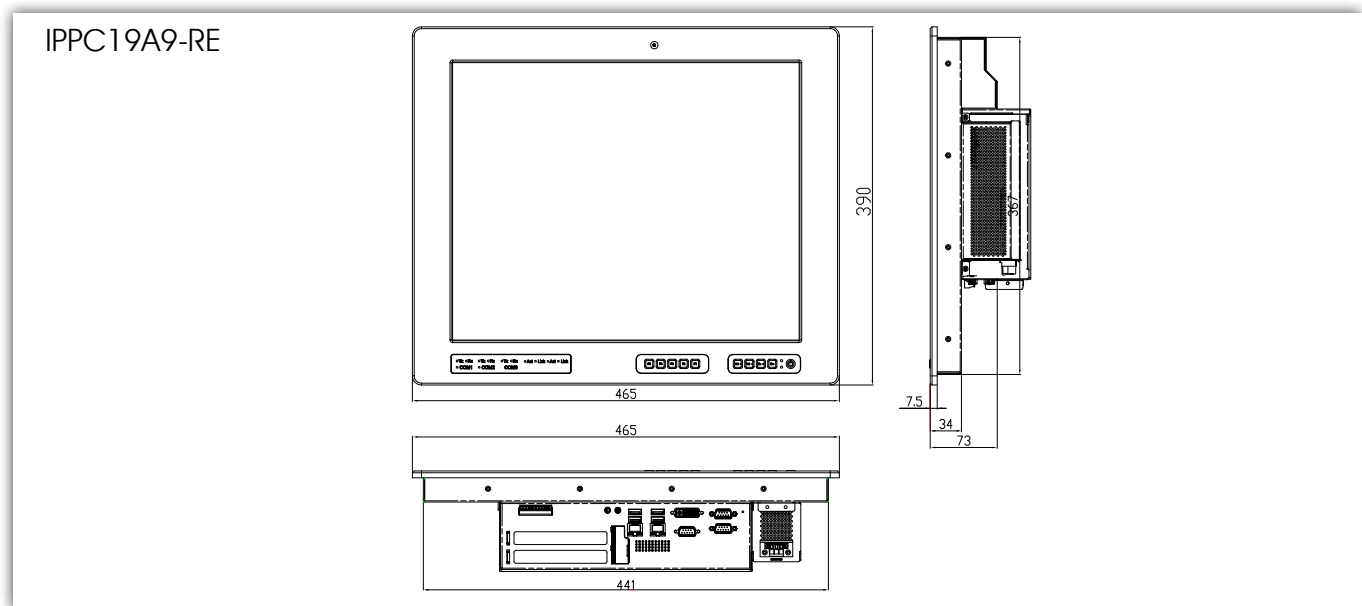
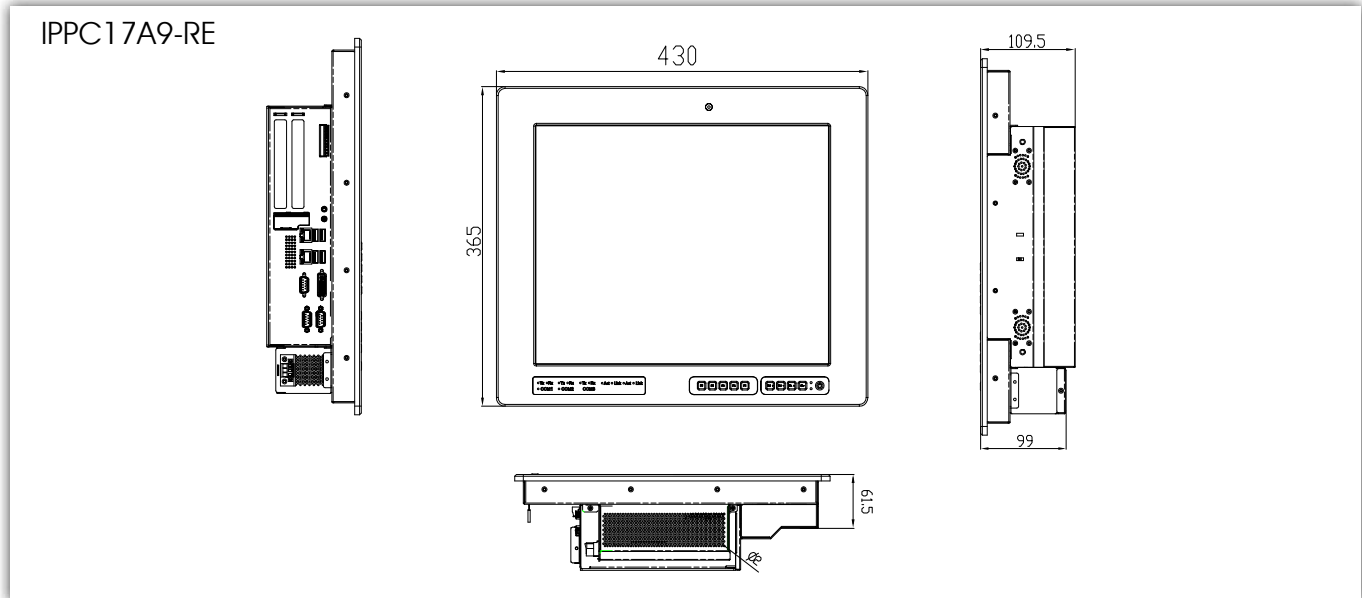
Heavy-Duty Industrial Panel PC

Specification

Model No.	IPPC17A9-RE	IPPC19A9-RE
System		
Processor	Intel® Core i3-2340UE 1.3 GHz	
System Memory	2x DDR3 1333 SO-DIMM up to 16GB	
External I/O		
USB	4x USB connector; USB1/2 USB2.0 only, USB3/4 USB3.0	
Serial/Parallel	3x DB9 for COM1/2(RS-232/422/485), COM 3 (RS-232 only)	
Audio	1x Line-out micro jack 1x Mic-in micro jack	
Graphics	1x DVI-I	
LAN	2x RJ45 for GbE LAN	
Digital I/O	1x Digital I/O	
Keyboard/Mouse	None	
Membrane Control	None	
Power	1x 3pin DC power connector	
Storage Space		
HDD	1x 2.5" SATA	
Movable Slot	1x CFAST slot	
Expansion		
Onboard Expansion Bus	2x Mini-PCIe half/full size	
Expansion Slot	2x PCI slot	
Display		
Display Type	17" TFT-LCD	19" TFT-LCD
Max. Resolution	1280 x 1024	
Max. Color	16.7M	
Luminance (cd/m2)	350	
View Angle (H°/V°)	170/170	170/160
Contrast	800:1	1000:1
Backlight Lifetime(hrs)	50000	
Touch Screen		
Type	Resistive	
Interface	USB	
Light Transmission (%)	81	
Power		
Power Input	12~24V DC input	
Mechanical		
Construction	Aluminum & SPCC	
IP Rating	IP65 front bezel	
Mounting	Panel and VESA 75x75mm / 100x100mm	
Dimensions (mm)	430 x 365 x 109.5	465 x 390 x 109.5
Net Weight (kgs)	9.2kgs	9.7kgs
Environment		
Operating Temperature(°C)	0°C ~ 45°C	
Storage Temperature(°C)	-20°C ~ 80°C	
Storage Humidity	5%~90% @ 45°C (non-condensing)	
Certification	CE/FCC Class B	
Operating System Support	Windows Embedded Standard 7, Windows 7 Pro for Embedded	

Heavy-Duty Industrial Panel PC

Dimensions



Ordering Information

IPPC17A9-RE	17" Modular Panel PC with resistive touch Intel® Core™ i3-2340UE 1.3GHz CPU, 4GB DDR3-1333 SO-DIMM, 320G HDD, 12V-24V wide range DC input, w/o power adaptor
IPPC19A9-RE	19" Modular Panel PC with resistive touch Intel® Core™ i3-2340UE 1.3GHz CPU, 4GB DDR3-1333 SO-DIMM, 320G HDD, 12V-24V wide range DC input, w/o power adaptor
Power adaptor	AC 90~240V input, 12V DC output 84W power adaptor IBASE P/N: A005PS084W0050000P

Heavy-Duty Industrial Panel PC

IPPC1501-RE



■ Highlight

- Fanless design panel PC
- Intel® Atom™ D2550 processor
- 12V~24V wide-range DC-in power input
- IP65 protection (except edge I/O side)

■ Features



Front panel IP65,
5 wires resistive touch

■ I/O View



Fan less design,
DVI second display output,
12~24VDC power input

Heavy-Duty Industrial Panel PC

Specification

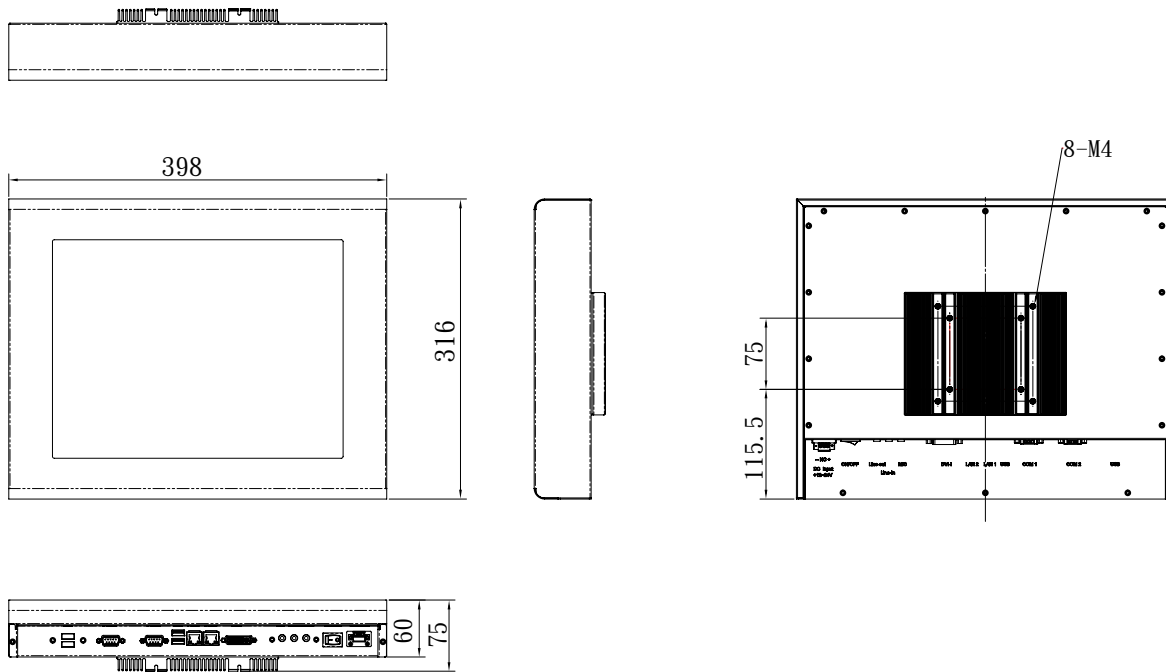
Model No.	IPPC1501-RE
System	
Processor	Intel® Atom™ Processor D2550 1M Cache, 1.86GHz
System Memory	1x DDR3 1333 SO-DIMM up to 4GB
External I/O	
USB	4x USB2.0 w/ type-A connector
Serial/Parallel	1x RS-232/422/485 (Default: RS-232) w/ DB9M connector 1x RS-232 w/ DB9M connector
Audio	None
Graphics	1x DVI-I
LAN	2x 10/100/1000 Base-T LAN w/ RJ45 connector
Digital I/O	None
Keyboard/Mouse	None
Membrane Control	None
Power	1x 3pin DC power connector 1x Power rock switch
Storage Space	
HDD	1x 2.5" SATA
Movable Slot	None
Expansion	
Onboard Expansion Bus	1x Mini-PCIe for mSATA 1x Mini-PCIe half size
Expansion Slot	None
Display	
Display Type	15" TFT-LCD
Max. Resolution	1024 x 768
Max. Color	16.2M
Luminance (cd/m ²)	400
View Angle (H°/V°)	160/140
Contrast	700:1
Backlight Lifetime(hrs)	50000
Touch Screen	
Type	Resistive
Interface	USB
Light Transmission (%)	80
Power	
Power Input	12V~24V DC input
Mechanical	
Construction	Black sheet metal
IP Rating	IP65 except edge I/O side
Mounting	VESA 75x75mm
Dimensions (mm)	398 x 316 x 73.2
Net Weight (kgs)	5.5kgs
Environment	
Operating Temperature(°C)	-5°C~50°C
Storage Temperature(°C)	-20°C ~ 60°C
Storage Humidity	10%~90% @ 40°C (non-condensing)
Certification	CE/FCC Class A
Operating System Support	Windows Embedded Standard 7, Windows 7 Pro for Embedded

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07	ARM-Based HMI

Heavy-Duty Industrial Panel PC

Dimensions

IPPC1501-RE

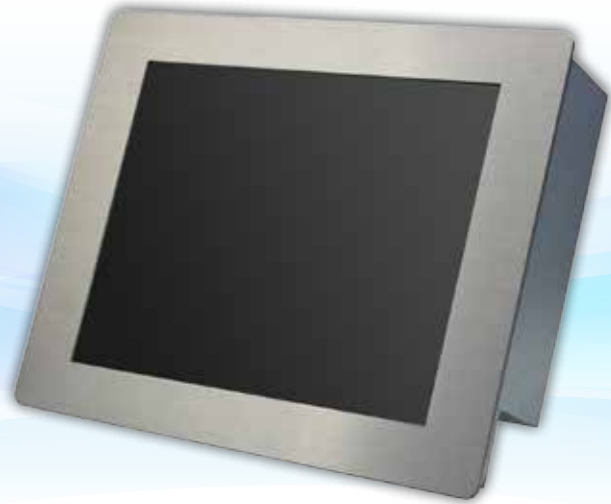


Ordering Information

IPPC1501-RE	15" Industrial Panel PC , Intel® Atom™ D2550 1.86GHz, 2GB RAM, 500G SATA HDD, resistive touch, w/o power adaptor
Power adaptor	AC 90~240V input, 12V DC output 60W power adaptor IBASE P/N: A005PS060W0702000P

Heavy-Duty Industrial Panel PC

IPPC-1700-RE



Highlight

- 17" Panel PC with MI953AF mini-ITX motherboard
- Resistive touch panel
- Optional DVD-ROM
- Two PCI expansion slots
- IP65 front-panel protection

I/O View



IPPC-1700-RE

Features



Aluminum front bezel



AC power input



DVD device for option



2 PCI riser

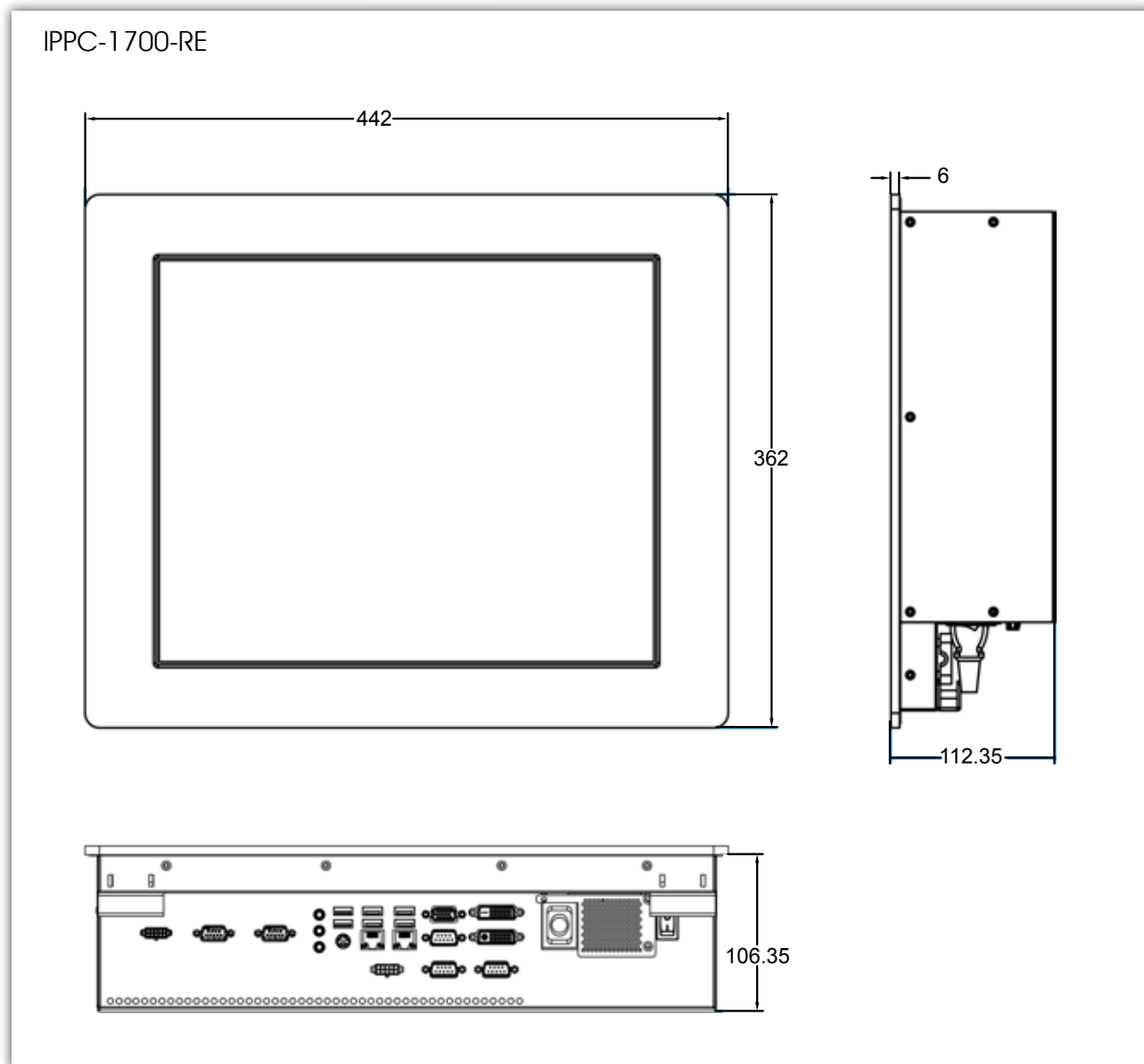
Heavy-Duty Industrial Panel PC

Specification

Model No.	IPPC-1700-RE
System	
Processor	Socket G1 (rPGA 989) for Intel® Core™ i7 / Core™ i5 processors
System Memory	2x DDR3 1066MHz SO-DIMM, Max. 8GB
External I/O	
USB	6x USB2.0
Serial/Parallel	3x COM port
Audio	1x RCAX3 for HD audio
Graphics	2x DVI-D 1x VGA CRT
LAN	2x Gigabit LAN
Digital I/O	1x Digital I/O
Keyboard/Mouse	1x PS2 KB/MS
Membrane Control	None
Power	AC inlet
Storage Space	
HDD	Slim SATA Combo DVD (optional) 2.5" HDD (optional)
Movable Slot	None
Expansion	
Onboard Expansion Bus	1x Mini-PCIe
Expansion Slot	2x PCI Slot (optional)
Display	
Display Type	17" TFT LCD
Max. Resolution	1280 x 1024
Max. Color	16.7M
Luminance (cd/m2)	380
View Angle (H°/V°)	160/160
Contrast	1000:1
Backlight Lifetime(hrs)	50000
Touch Screen	
Type	Resistive
Interface	USB
Light Transmission (%)	80
Power	
Power Input	110V/220V AC-in
Mechanical	
Construction	Steel (SGCC)
IP Rating	IP65 front bezel
Mounting	Panel and VESA 100x100mm Rack mount (optional)
Dimensions (mm)	442 x 362 x 112.4
Net Weight (kgs)	9.9kgs
Environment	
Operating Temperature(°C)	0°C ~ 40°C
Storage Temperature(°C)	-10°C~60°C
Storage Humidity	90%
Certification	CE/FCC Class A
Operating System Support	Windows Embedded Standard 7, Windows 7 Pro for Embedded

Heavy-Duty Industrial Panel PC

Dimensions



Ordering Information

IPPC-1700-RE	17" Panel PC with MI953AF, Socket G1 for Intel® Core™ i7/i5 CPU, 2x DDR3 SO-DIMM, Resistive Touch
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