

CPCV6 Series Hardware Manual

CPCV6-BOXPC-S1 / CPCV6-070WR / CPCV6-104WF/
CPCV6-150WF
[ENGLISH]
[Version 1.4]

COMFILE
TECHNOLOGY

COMFILE Technology, Inc.

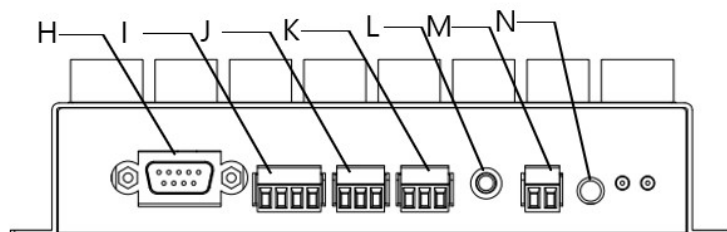
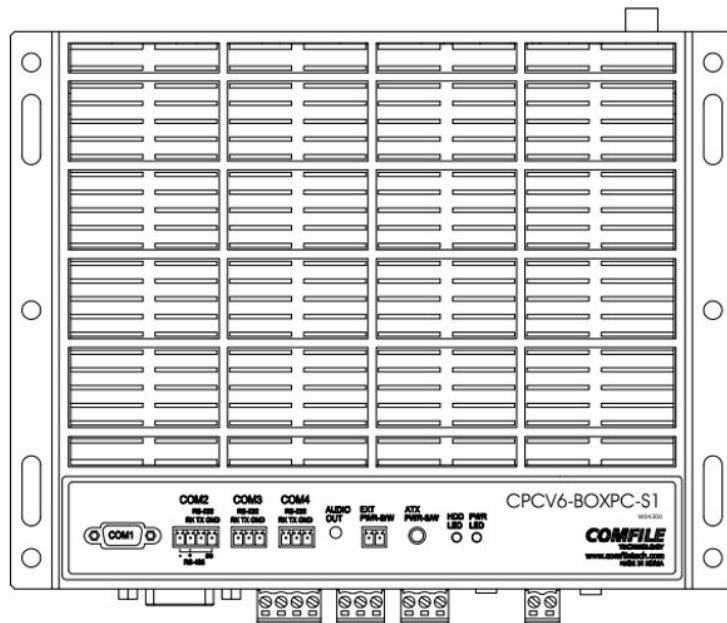
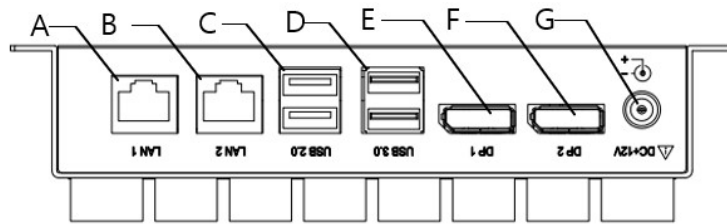
1. Hardware Specification

ITEM		Model Name			
		CPCV6-BOX-S1	CPCV6-070WR	CPCV6-104WF	CPCV6-150WF
CPU		Intel Celeron J6412 / Quad Core/ 2GHz			
CPU Type		Onboard			
RTC		Chipset Built-in RTC with Lithium Battery			
Memory		SODIMM DDR4 4GB			
Graphics		Intel UHD Graphics, DP Output Port x 2			
Ethernet		2x Intel Ethernet Controller I226-LM 2.5GbE			
Audio		Realtek High Definition Audio 1x Audio Line Out Port			
USB		2x USB2.0, 2xUSB3.0			
HDD		m-SATA 128GB			
Display	Size		7inch	10.4inch	15inch
	Resolution		WSVGA(1024 x600)	XGA(1024 x 768)	
	Aspect Ratio		16:9	4:3	4:3
	Colors		16.7M	262K	16.7M
	Contrast		800:1	500:	800:1
	Response Time		10msec	25msec	16msec
	Brightness		400cd	400cd	420cd
	Backlight Lifespan		>20,000hrs	>30,000hrs	
	Touchscreen Type		4-Wire Resistive Touch		5-Wire Resistive Touch
Serial		4 Port(Note 1) COM1 : RS232C COM2 : RS232C/RS485 COM3 : RS232C COM4 : RS232C			
Input Power		DC+ 12V (Note 1)			
Power Consumption		Idle: 14.4W 1.2A@DC12V Loaded: 22W 1.8A@DC12V	Idle: 16W 1.3A@DC12V Loaded: 24W 2.0A@DC12V	Idle: 18W 1.5A@DC12V Loaded: 25W 2.1A@DC12V	Idle: 24W 2.0A@DC12V Loaded: 31W 2.6A@DC12V
Weight		660g	1065g	2400g	4050g
Operating Temperature		0°C ~ 60°C			
Storage Temperature		-30°C ~ 80°C			

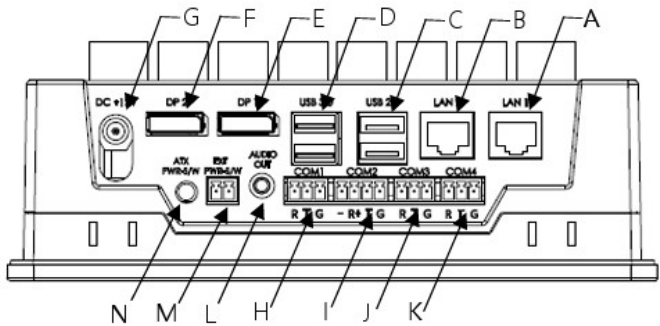
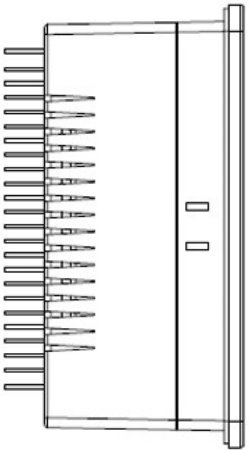
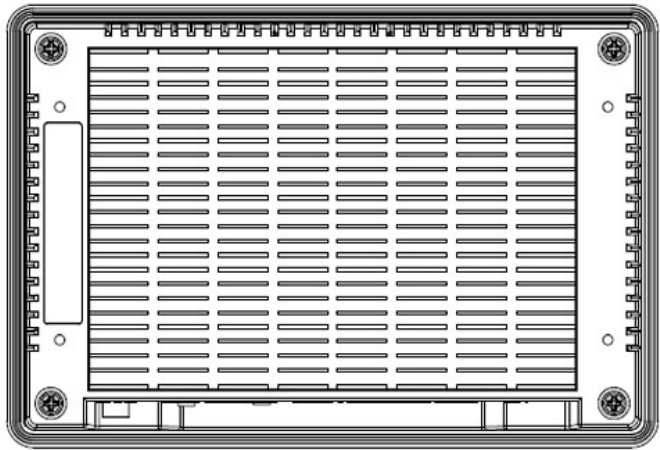
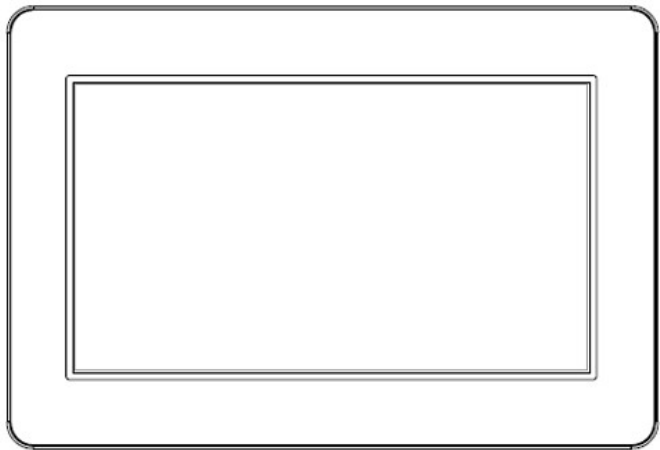
Note 1: Power and RS232C/RS485 cables should be no more than 3 meters in length.

2. External Parts

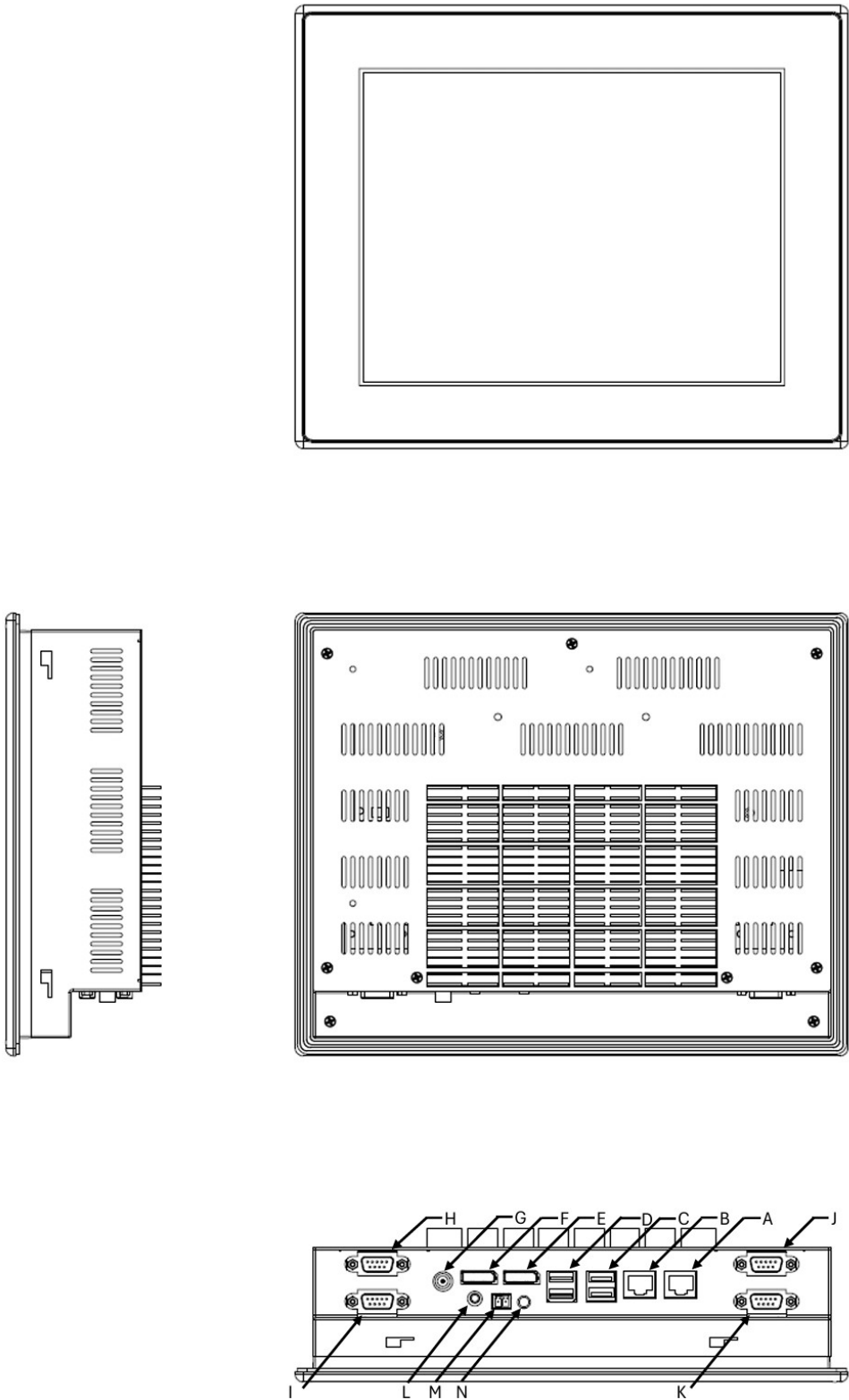
[CPCV6-BOX-S1]



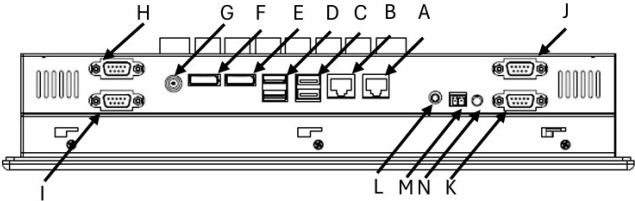
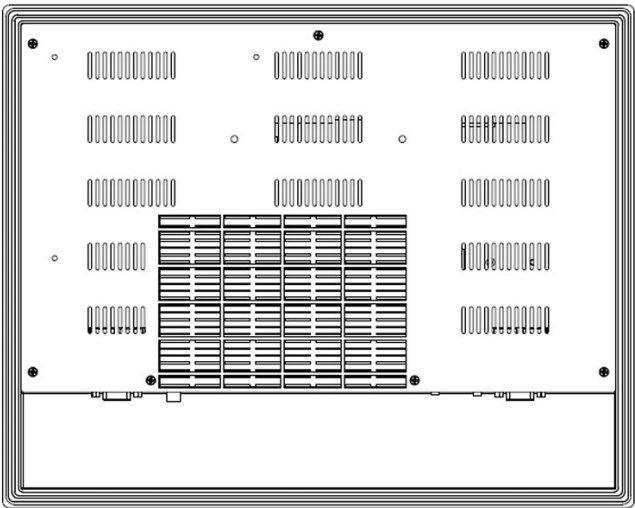
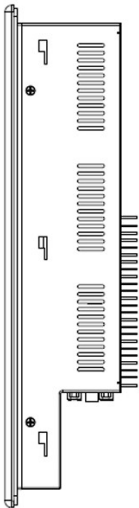
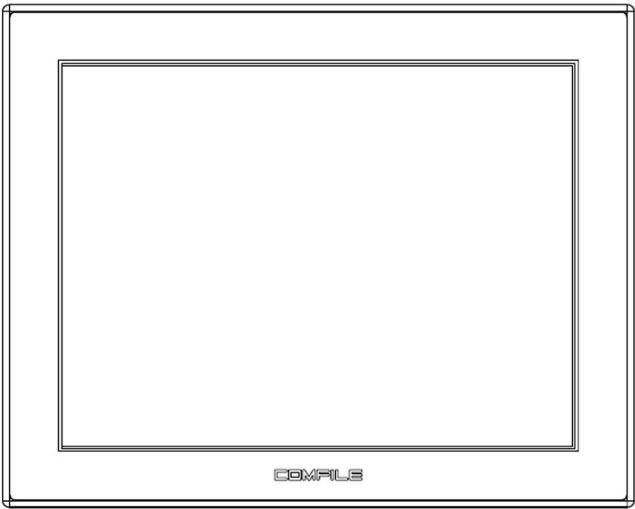
[[CPCV6-070WR]]



[CPCV6-104WR]



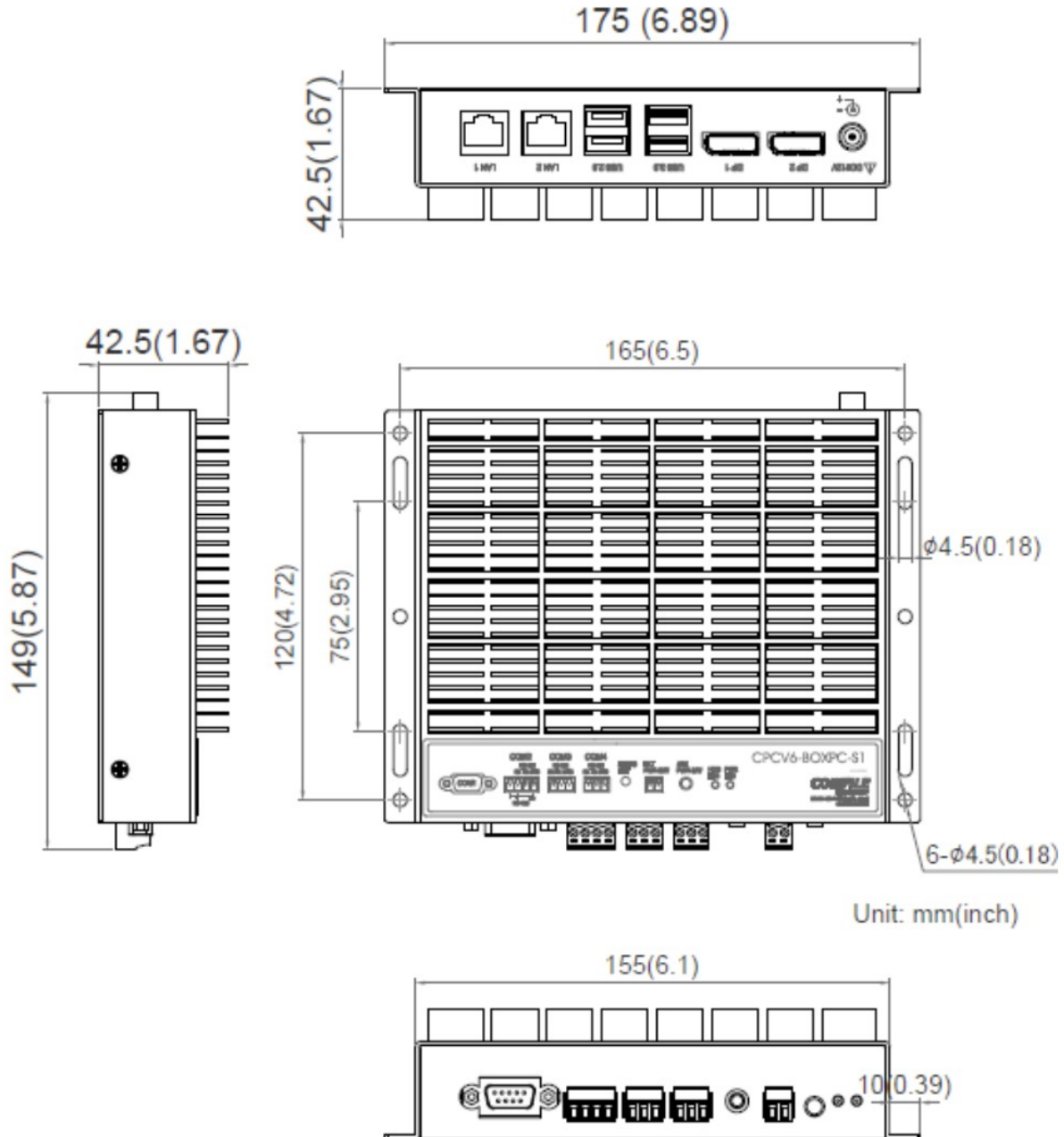
[CPCV6-150WR]



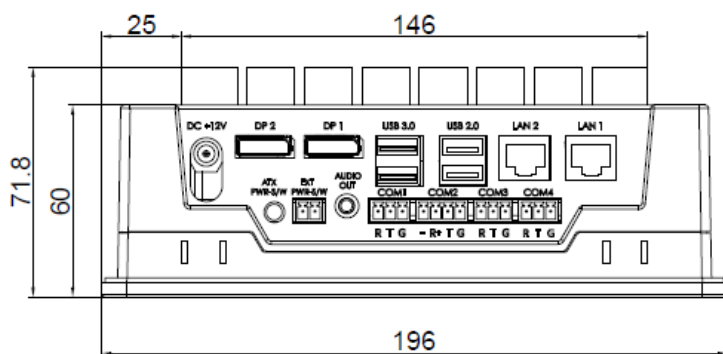
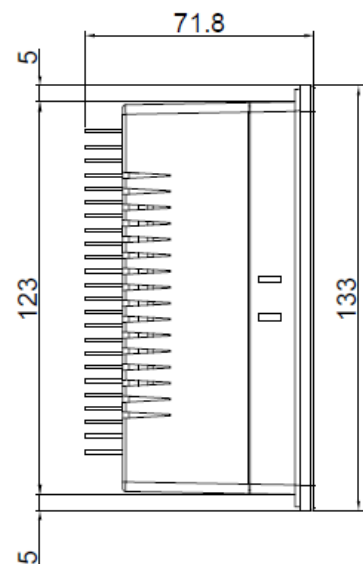
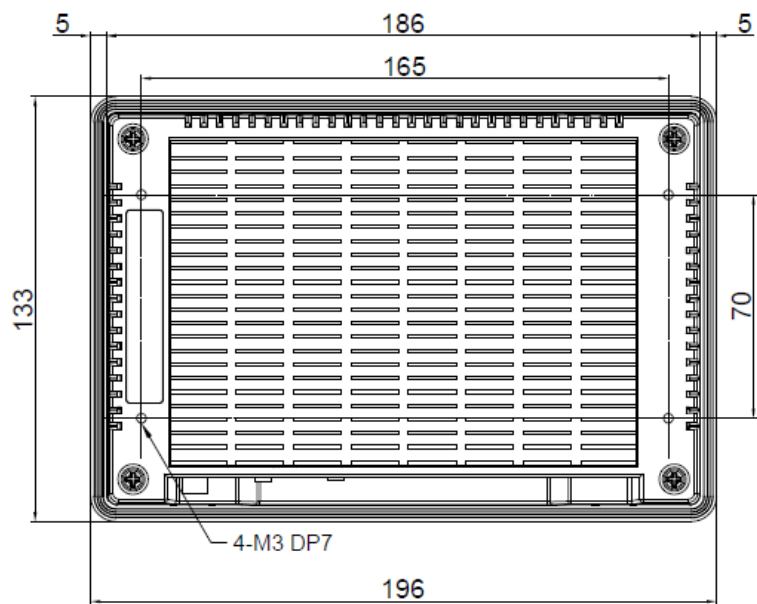
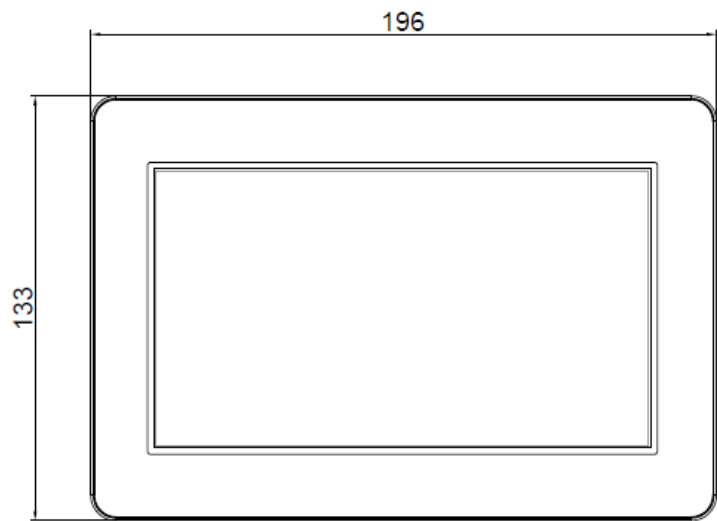
	Name	Description
A	LAN1 Port	Gigabit LAN, with RJ-45 connector.
B	LAN2 Port	Gigabit LAN, with RJ-45 connector.
C	USB 2.0 Port	USB2.0 host port.
D	USB 3.0 Port	USB3.0 host port.
E	DP1 Port	DP(Display Port) output for external monitor.
F	DP2 Port	DP(Display Port) output for external monitor.
G	DC INPUT	ø2.5 Adapter Input Connector. (DC + 12V)
H	COM1 Port	COM1 (RS232C, D-SUB 9-Pin Male)
I	COM2 Port	COM2 (RS232C/RS485).
J	COM3 Port	COM3 (RS232C).
K	COM4 Port	COM3 (RS232C).
L	Audio OUT	Sound output for external speaker.
M	Ext. Power S/W	Connector for external ATX Power S/W.
N	ATX Power S/W	ATX power switch. Use to boot or shutdown the system.

3. Dimensions

[CPCV6-BOX-S1]

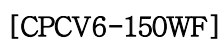


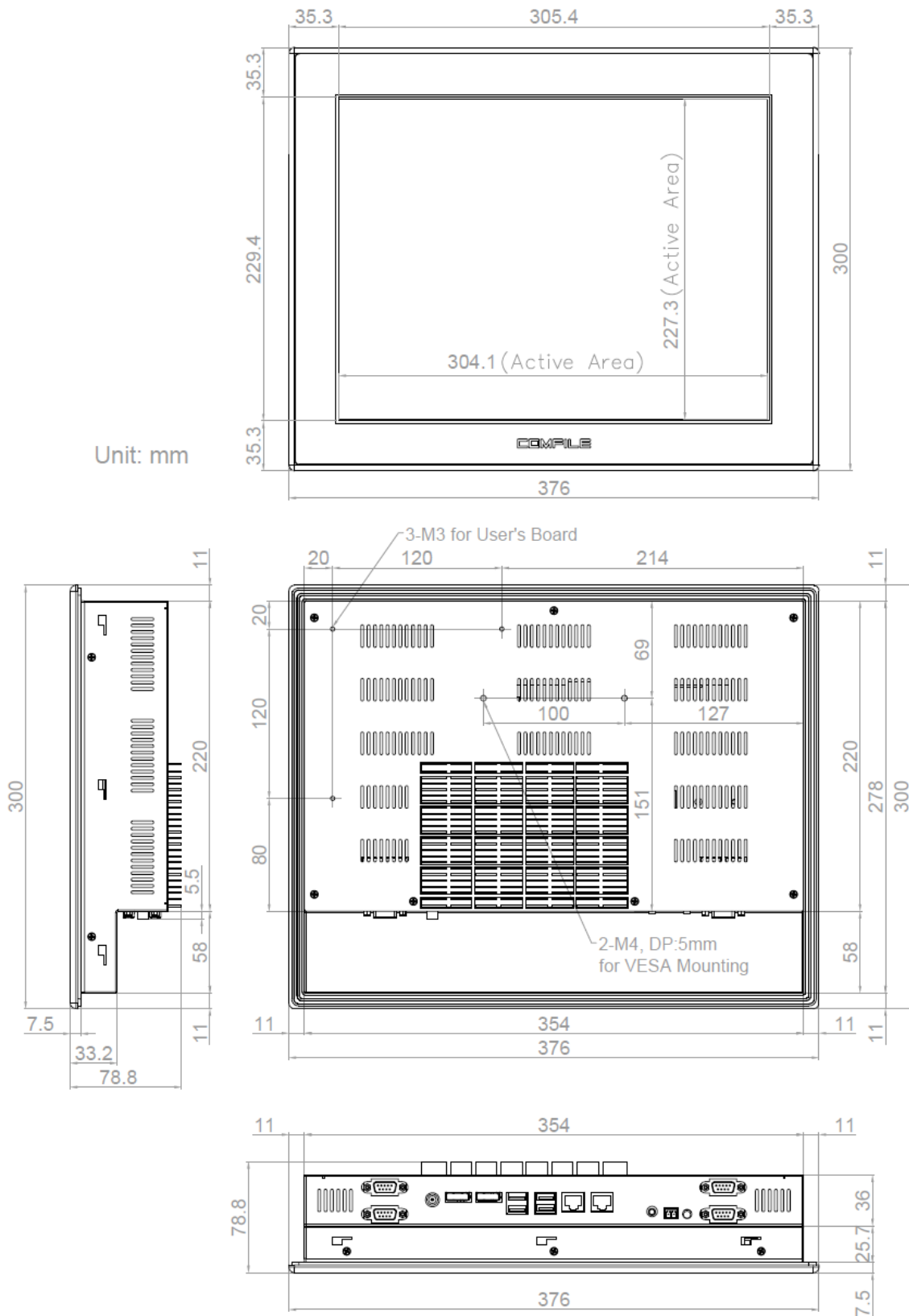
[CPCV6-070WR]



Unit: mm

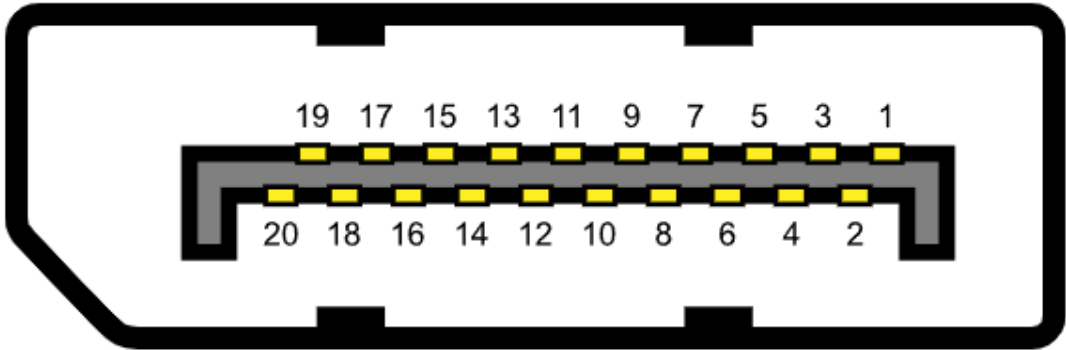
[CPCV6-104WF]



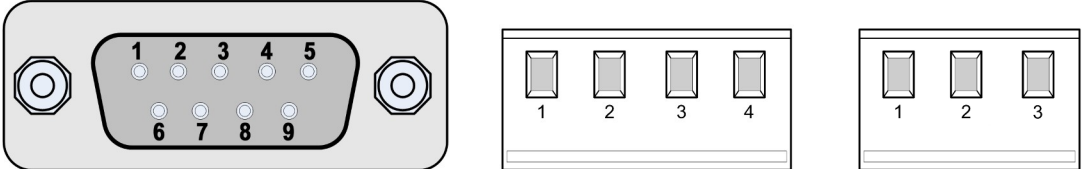


4. Input/Output Connectors

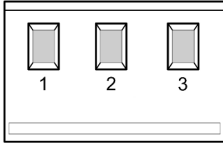
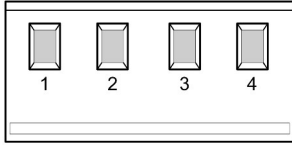
DP(Display Port) Output Connector

Connector							
							
Pin Assignment							
Order	Name	Order	Name	Order	Name	Order	Name
1	ML_Lane0 +	2	GND	3	ML_Lane0 -	4	ML_Lane1 +
5	GND	6	ML_Lane1 -	7	ML_Lane2 +	8	GND
9	ML_Lane2 -	10	ML_Lane3 +	11	GND	12	ML_Lane3 -
13	CONFIG2	14	CONFIG2	15	AUX CH+	16	GND
17	AUX_CH-	18	Hot plug	19	Return	20	DP_PWR

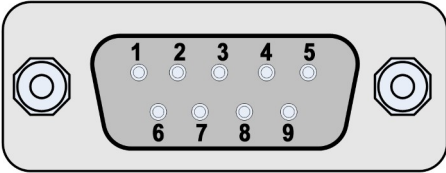
Serial Port Input/Output Connector (COM1/COM2/COM3/COM4) [CPCV6-BOX-S1]

Connector											
											
[COM1]				[COM2]				[COM3 COM4]			
RS232C (COM1)				RS232C/RS485 (COM2)				RS232C (COM3, COM4)			
Pin	Name	Pin	Name	Pin	Name	Pin	Name	Pin	Name	Pin	Name
1	DCD	2	RXD	1	DATA-	2	DATA+ RXD	1	RXD	2	TXD
3	TXD	4	DTR	3	TXD	4	GND	3	GND		-
5	GND	6	DSR								
7	RTS	8	CTS								
9	RI	-	-								

[CPCV6-070WR]

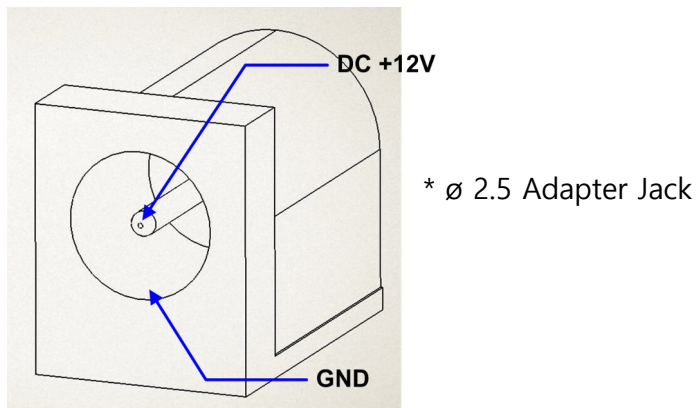
Connector							
							
[COM1 COM3 COM4]				[COM2]			
RS232C (COM1, COM3, COM4)				RS232C/RS485 (COM2)			
Pin	Name	Pin	Name	Pin	Name	Pin	Name
1	RXD	2	TXD	1	DATA-	2	DATA+ RXD
3	GND	-	-	3	TXD	4	GND

[CPCV6-104WF / CPCV6-150WF]

Connector											
											
[COM1/ COM2/ COM3/ COM4]											
RS232C (COM1)				RS232C/RS485 (COM2)				RS232C (COM3, COM4)			
Pin	Name	Pin	Name	Pin	Name	Pin	Name	Pin	Name	Pin	Name
1	DCD	2	RXD	1	DCD DATA-	2	RX DATA+	1	DCD	2	RXD
3	TXD	4	DTR	3	TX	4	DTR	2	TXD	4	DTR
5	GND	6	DSR	5	GND	6	DSR	5	GND	6	DSR
7	RTS	8	CTS	7	RTS	8	CST	7	RTS	8	CTS
9	RI	-	-	9	RI	-	-	9	RI	-	-

* NOTE: Only COM2 supports RS-485. To configure, in the BIOS, set 'Electrical Interface Mode' for COM2.

■ Power Input Connector



Caution When Wiring

- Ensure all power is off before wiring.
- Check power supply voltage before wiring.
- Check wiring and connections before supplying power.

5. Warranty Policy

■ Warranty Period

The products are warranted to be free of defects in materials and workmanship for 1 year from the date of purchase.

■ Warranty Exclusions

The warranty does not cover normal wear and tear. It is also void if the product is opened or repaired by unauthorized personnel, misused, exposed to humidity or heat, or used in a manner inconsistent with the provided instructions.

■ Request of Warranty Repair

If a defect arises during the warranty period, contact the manufacturer for support and request a Return Merchandise Authorization (RMA).

■ Limitation of Liability

The manufacturer and supplier are not liable for direct or indirect damages resulting from equipment malfunction or damage. The total liability of the manufacturer and supplier is limited to the actual purchase price of the product. These warranty restrictions supersede any other express or implied warranties, whether written or oral.

Contact Information

Should you need any additional information or assistance about CPCV6, please feel free to contact us.

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