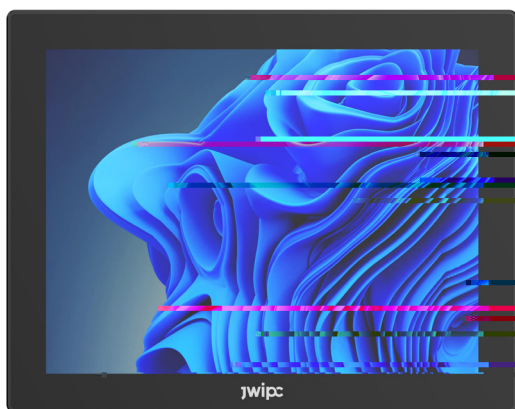
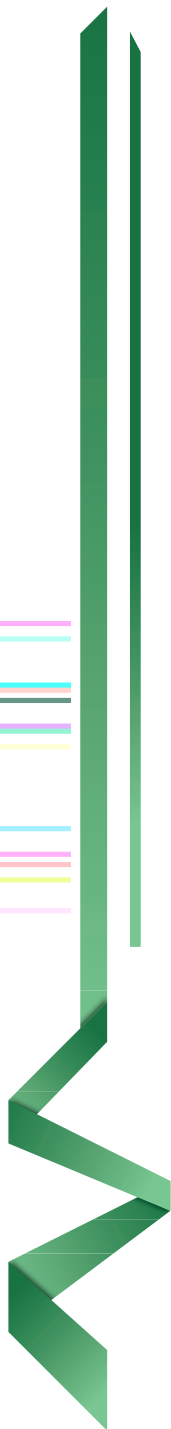


IVS



Version 1.0



- IVS-101
- IVS-104
- IVS-121
- IVS-150
- IVS-156
- IVS-170
- IVS-185
- IVS-215




A





ESD

(ESD, electrostatic sensitive devices)



- ESD
- ESD
- ESD
- ESD
- ESD

目录

1	.....	1
1.1	.....	1
1.2	.....	1
1.2.1	.....	1
1.2.2	.....	2
1.2.3 LCD	.....	2
1.2.4	.....	4
1.2.5	.....	5
1.2.6	.....	6
1.3 I/O	.....	6
1.3.1 I/O	.....	6
1.3.2 / I/O	.....	7
1.4	.....	8
1.4.1 IVS-101	.....	8
1.4.2 IVS-104	.....	9
1.4.3 IVS-121	.....	10
1.4.4 IVS-150	.....	11
1.4.5 IVS-156	.....	12
1.4.6 IVS-170	.....	13
1.4.7 IVS-185	.....	14
1.4.8 IVS-215	.....	15
2	.....	16
2.1	.....	16
2.2	.....	16
2.2.1	.....	16
2.2.2 VESA	.....	17
3	.....	19
3.1	.....	19
3.2 USB	.....	19
3.3	.....	19
3.4 RS232/485/422	COM1 COM2	20
3.5 RS232	COM3 COM4	20
3.6 DP	.....	20
3.7 HDMI	.....	21
3.8	.....	21
1	.....	22

1.2.2

	IVS-101/IVS-104/IVS-121/IVS-150/IVS-156/IVS-170/IVS-185/IVS-215		
CPU	Intel® Celeron® J6412	Intel® Core™ i3-1215U/i5-1235U/i7-1255U MAX 15W TDP	Intel® Core™ 6/7/8/9 i7/i5/i3 Pentium® / Celeron® LGA1151 type CPU Max 65W TDP
	1 x SO-DIMM DDR4-3200 MAX 16GB	1 x SO-DIMM DDR5-4800 MAX 32GB	1 x SO-DIMM DDR4-3200 MAX 16GB
	1 x M.2 2242/2280 SATA 1 x 7+15Pin SATA3.0	1 x M.2 2242/2280 Nvme x 7+15Pin SATA3.0	1 x M.2 2242/2280 SATA 1 x 7+15Pin SATA3.0
	1 x Intel I210AT 1 x Intel I226-v	3 x intel I226-V 1 x Intel I210AT 4	

1.2.3 LCD

• IVS-101

- 16:10
- 1280 x 800
- 350 cd/m2
- 1000:1
- 25000
- 85 () 85 () 85 () 85 ()

- IVS-104
 - 4:3
 - 1024 x 768
 - 350 cd/m²
 - 900:1
 - 50000
 - 75 () 75 () 75 () 75 ()
- IVS-121
 - 4:3
 - 1024 x 768
 - 500 cd/m²
 - 1200:1
 - 50000
 - 88 () 88 () 88 () 88 ()
- IVS-150
 - 4:3
 - 1024 x 768
 - 350 cd/m²
 - 1000:1
 - 50000
 - 89 () 89 () 89 () 89 ()
- IVS-156
 - 16:9
 - 1920 x 1080
 - 300 cd/m²
 - 800:1
 - 15000
 - 85 () 85 () 85 () 85 ()
- IVS-170
 - 5:4
 - 1280x1024
 - 250 cd/m²
 - 1000:1
 - 50000
 - 85 () 85 () 80 () 80 ()

- IVS-185
 - 16:9
 - 1920 x 1080
 - 250 cd/m²
 - 1000:1
 - 50000
 - 89 () 89 () 89 () 89 ()
- IVS-215
 - 16:9
 - 1920x1080
 - 250 cd/m²
 - 1000:1
 - 50000
 - 89 () 89 () 89 () 89 ()

1.2.4

- IVS-101
 - 10 5
 - 81% (>80%)
 - 5000 1000
- IVS-104
 - 10 5
 - 81% (>80%)
 - 5000 1000
- IVS-121
 - 10 5
 - 81% (>80%)
 - 5000 1000
- IVS-150
 - 10 5
 - 81% (>80%)
 - 5000 1000
- IVS-156
 - 10
 - 81% (>80%)
 - 5000 1000

- IVS-170
 - 10
 - 81% (>80%)
 - 5000 1000
- IVS-185
 - 10
 - 81% (>80%)
 - 5000 1000
- IVS-215
 - 10
 - 81% (>80%)
 - 5000 1000

1.2.5

- IVS-101/IVS-104/IVS-121/IVS-150

- OP 0 ~ 50 °C 32~122 °F
-20 ~ 60 °C -4 ~ 140 °F
- 95% @ 40 °C
- NOP -20 ~ 60 °C -4 ~ 140 °F
- OP 15g 11ms
- OP 5~500Hz 1Grms
- EMC CE Class A
- IP IP65

- IVS-156/IVS-170/IVS-185/IVS-215

- OP 0 ~ 50 °C 32~122 °F
- 95% @ 40 °C
- NOP -20 ~ 60 °C -4 ~ 140 °F
- OP 15g 11ms
- OP 5~500Hz 1Grms
- EMC CE Class A
- IP IP65

1.2.6

- Windows 7
- Windows 10
- Windows 11
- Linux

1.3 I/O

1.3.1 I/O

IVS I/O 11



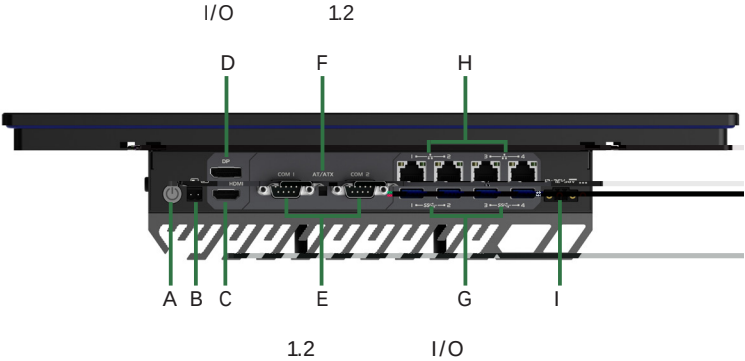
11 I/O

- | | |
|--------------|---------------|
| A | B |
| C 4 x USB3.0 | D ATX/AT |
| E 2 x RJ45 | |
| F 2 x COM | RS232/422/485 |
| G HDMI | H DC IN |

1.3.2

I/O

IVS



A

C HDMI

E 2 x COM

F ATX/AT

H 4 x RJ45

B

D DP

E RS232/422/485

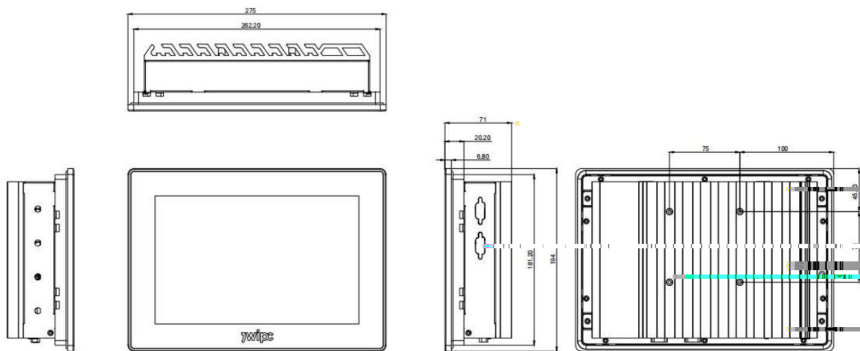
G 4 x USB3.0

I DC IN

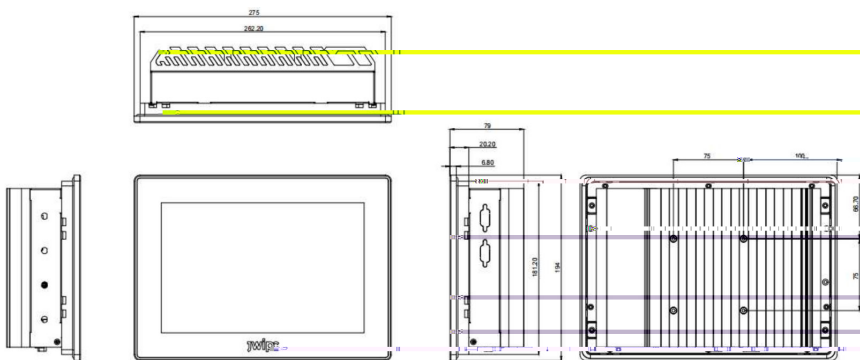
1.4

1.4.1 IVS-101

- W x H x D 275 x 194 x 71mm
- W x H x D 263⁺¹⁵₋₀ x 182⁺¹⁵₋₀ mm

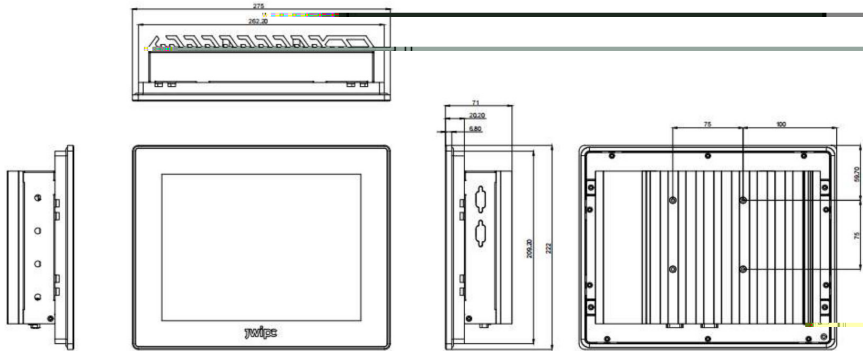


- W x H x D 275 x 194 x 79mm
- W x H x D 263⁺¹⁵₋₀ x 182⁺¹⁵₋₀ mm

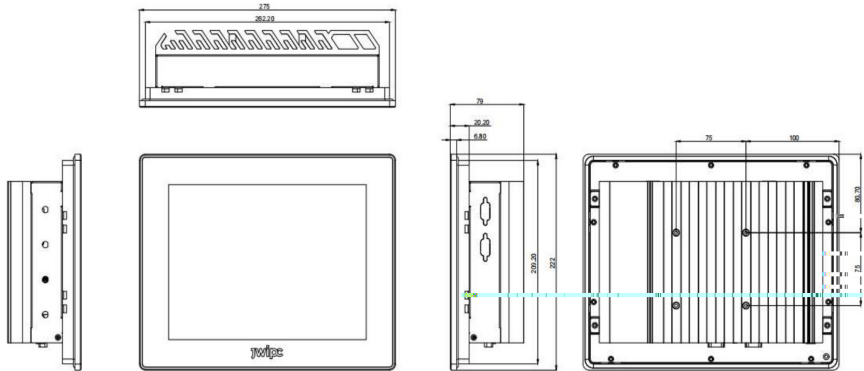


1.4.2 IVS-104

-
- W x H x D 275 x 222 x 71mm
- W x H x D $263^{+15}_{-0} \times 210^{+15}_{-0}$ mm

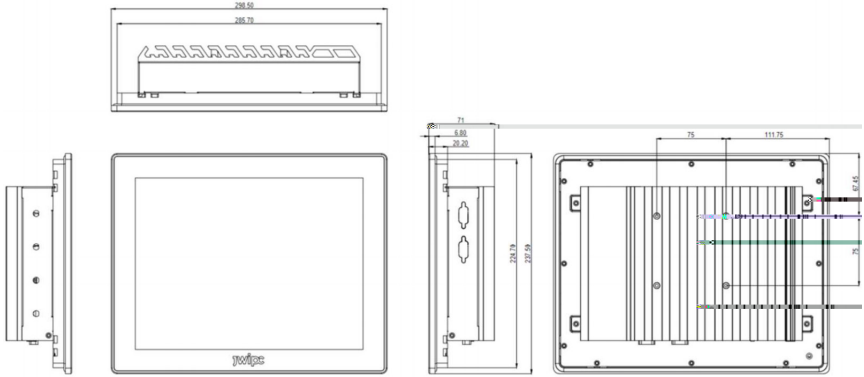


-
- W x H x D 275 x 222 x 79mm
- W x H x D $263^{+15}_{-0} \times 210^{+15}_{-0}$ mm

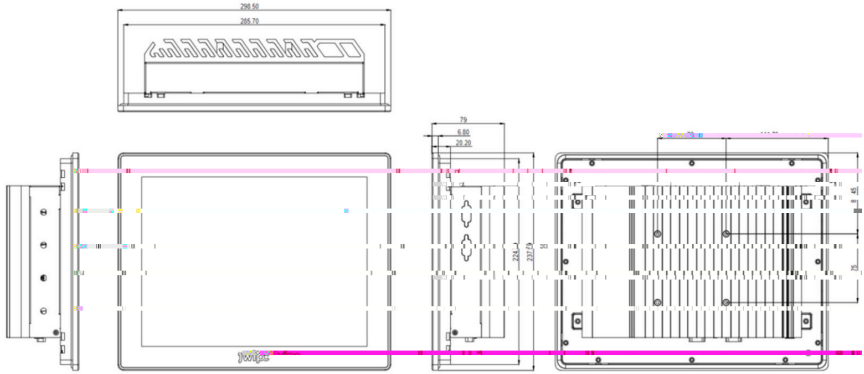


1.4.3 IVS-121

-
- W x H x D 298.5 x 237.5 x 71mm
- +15 +15
- W x H x D 286.5 x 225.5 mm
- -0 -0

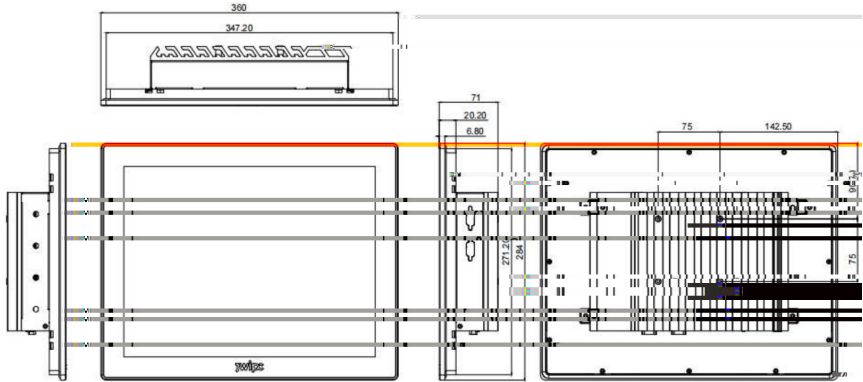


-
- W x H x D 298.5 x 237.5 x 79mm
- +15 +15
- W x H x D 286.5 x 225.5 mm
- -0 -0

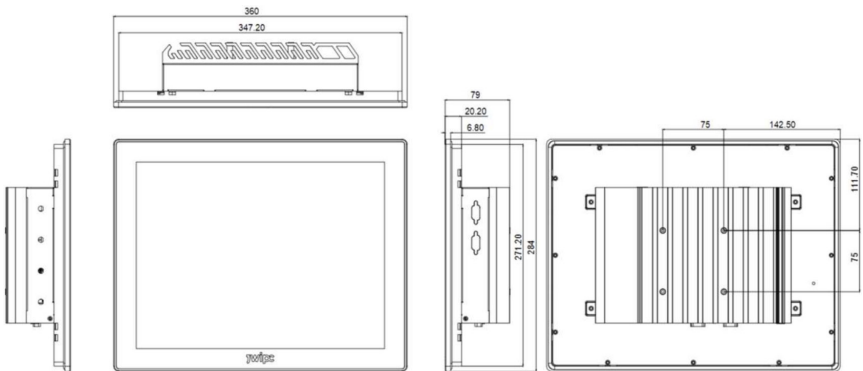


1.4.4 IVS-150

-
- W x H x D 360 x 284 x 71mm
- W x H x D 348^{+15}_{-0} x 272^{+15}_{-0} mm

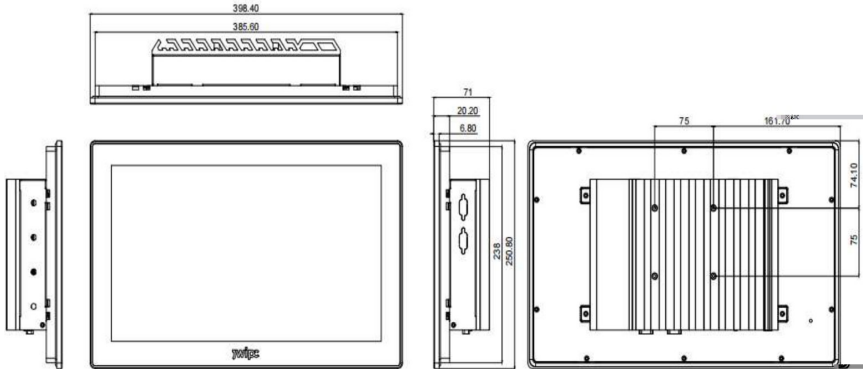


-
- W x H x D 360 x 284 x 79mm
- W x H x D 348^{+15}_{-0} x 272^{+15}_{-0} mm

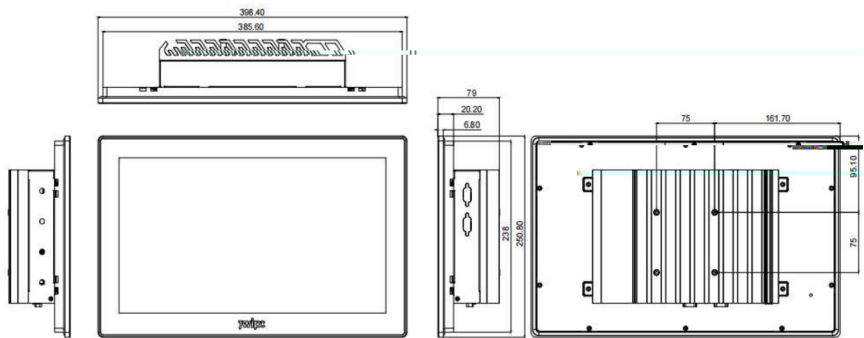


1.4.5 IVS-156

-
- W x H x D 398.4 x 250.8 x 71mm
- W x H x D 386^{+15}_{-0} x 238.5^{+15}_{-0} mm

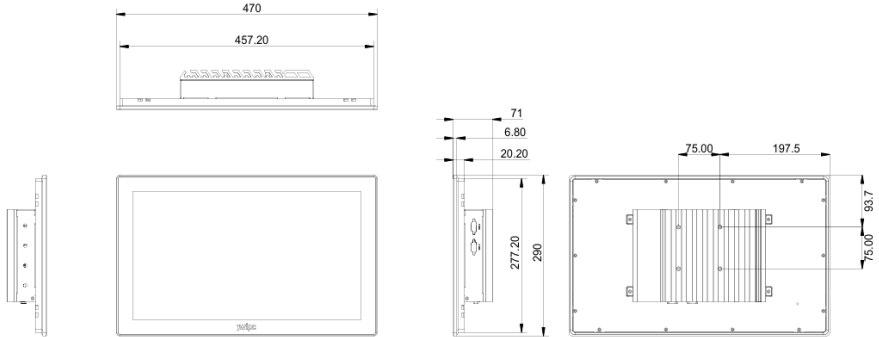


-
- W x H x D 398.4 x 250.8 x 79mm
- W x H x D 386^{+15}_{-0} x 238.5^{+15}_{-0} mm

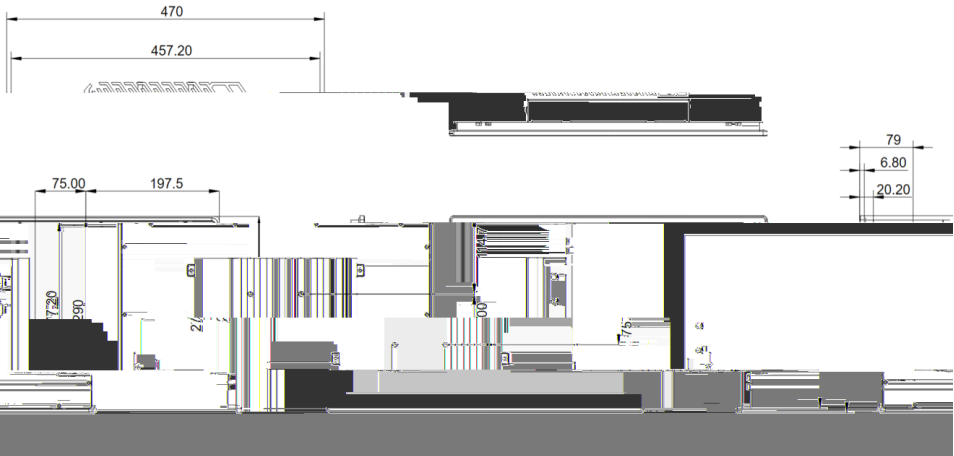


1.4.7 IVS-185

-
- W x H x D 470 x 290 x 71mm
- W x H x D 458^{+15}_{-0} x 278^{+15}_{-0} mm

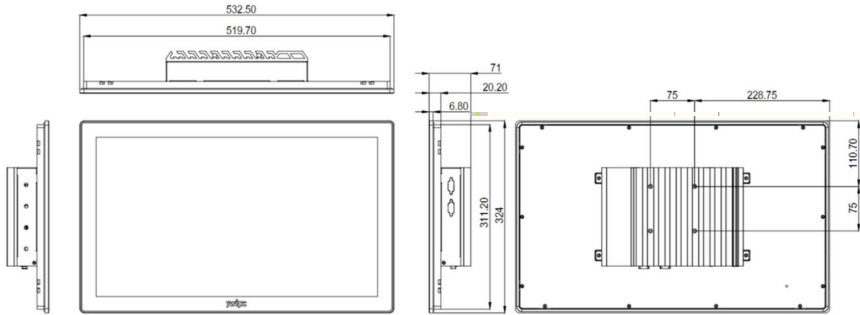


-
- W x H x D 470 x 290 x 79mm
- W x H x D 458^{+15}_{-0} x 278^{+15}_{-0} mm

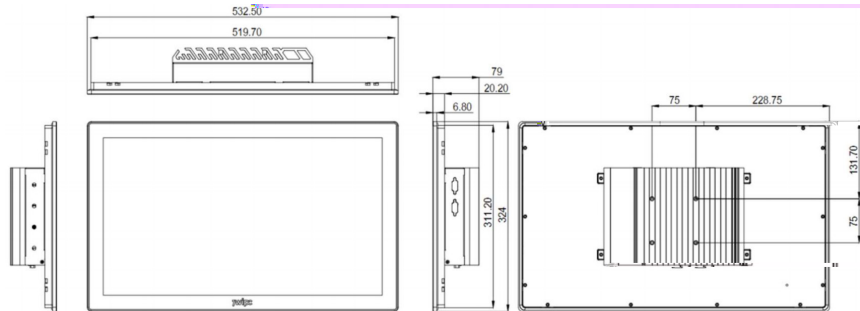


1.4.8 IVS-215

-
- W x H x D 532.5 x 324 x 71mm
- W x H x D 520.5^{+15}_{-0} x 312^{+15}_{-0} mm



-
- W x H x D 532.5 x 324 x 79mm
- W x H x D 520.5^{+15}_{-0} x 312^{+15}_{-0} mm



2

2.1

□ 19"

■

□

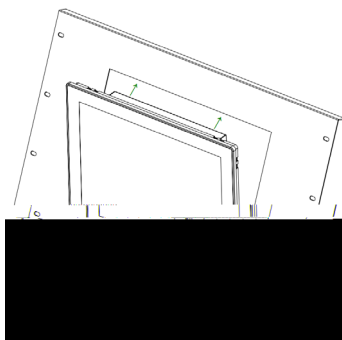
■ VESA

■
□

2.2

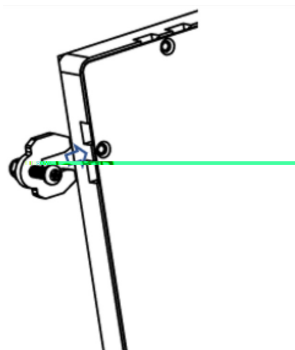
2.2.1

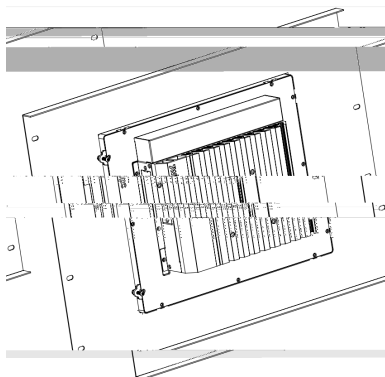
1



2

5 kgf-cm 0.5 Nm





IVS-101/104/121/150/156

4PCS

IVS-170/185/215

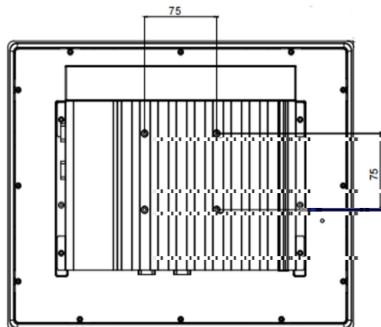
8PCS

2.2.2 VESA

1 IVS

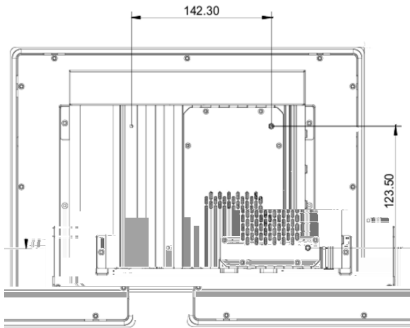
VESA

75mm x 75mm

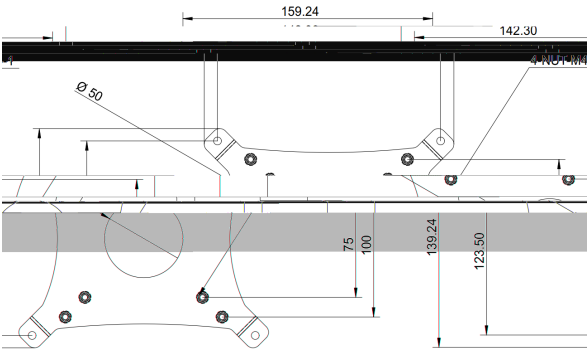


2 IVS

142.3mm x 123.5mm

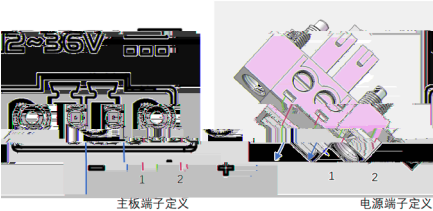


3



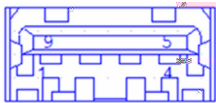
3

3.1



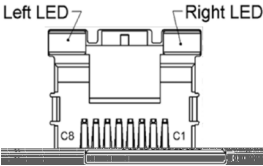
1	-
2	+

3.2 USB



1	USB VBUS	6	SSRX+
2	USB_P-	7	GND_DRAIN
3	USB_P+	8	SSTX-
4	GND	9	SSTX+
5	SSRX-		

3.3

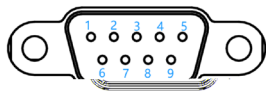


1	MDI0+	5	MDI2+
2	MDI0-	6	MDI2-
3	MDI1+	7	MDI3+
4	MDI1-	8	MDI3-

Left LED			Right LED
10 Link	100 Link	1000 Link	Active
Of	Green	Orange	Green

3.4 RS232/485/422

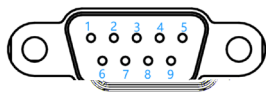
COM1 COM2



Pin	RS232	RS422	RS485
1	DCD	TX-	Data-
2	RX	TX+	Data
3	TX	RX+	/
4	DTR	RX-	/
5	GND	GND	GND
6	DSR	/	/
7	RTS	/	/
8	CTS	/	/
9	RI	/	/

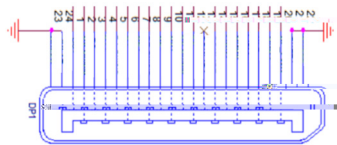
3.5 RS232

COM3 COM4



Pin	
1	/
2	RX
3	TX
4	/
5	GND
6	/
7	/
8	/
9	/

3.6 DP

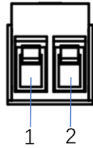


1	DP_TX 0(p)	11	GND
2	GND	12	DP_TX 3(n)
3	DP_TX 0(n)	13	AUX_EN
4	DP_TX 1(p)	14	DP_config
5	GND	15	AUX_CH(p)
6	DP_TX 1(n)	16	GND
7	DP_TX 2(p)	17	AUX_CH(n)
8	GND	18	Hot Plug
9	DP_TX 2(n)	19	GND
10	DP_TX 3(p)	20	DP_PWR

3.7 HDMI

1	HDMIC TX2 DP	11	GND
2	GND	12	HDMIC CLK DN
3	HDMIC TX2 DN	13	NC
4	HDMIC TX1 DP	14	NC
5	GND	15	HDMIC SCL
6	HDMIC TX1 DN	16	HDMIC SCA
7	HDMIC TXO DP	17	GND
8	GND	18	DAC_5V
9	HDMIC TXO DN	19	DPC_HPD_CN_C
10	HDMIC CLK DP	/	/

3.8



1	GND
2	POWER BUTTON

产品中有害物质的名称及含量

