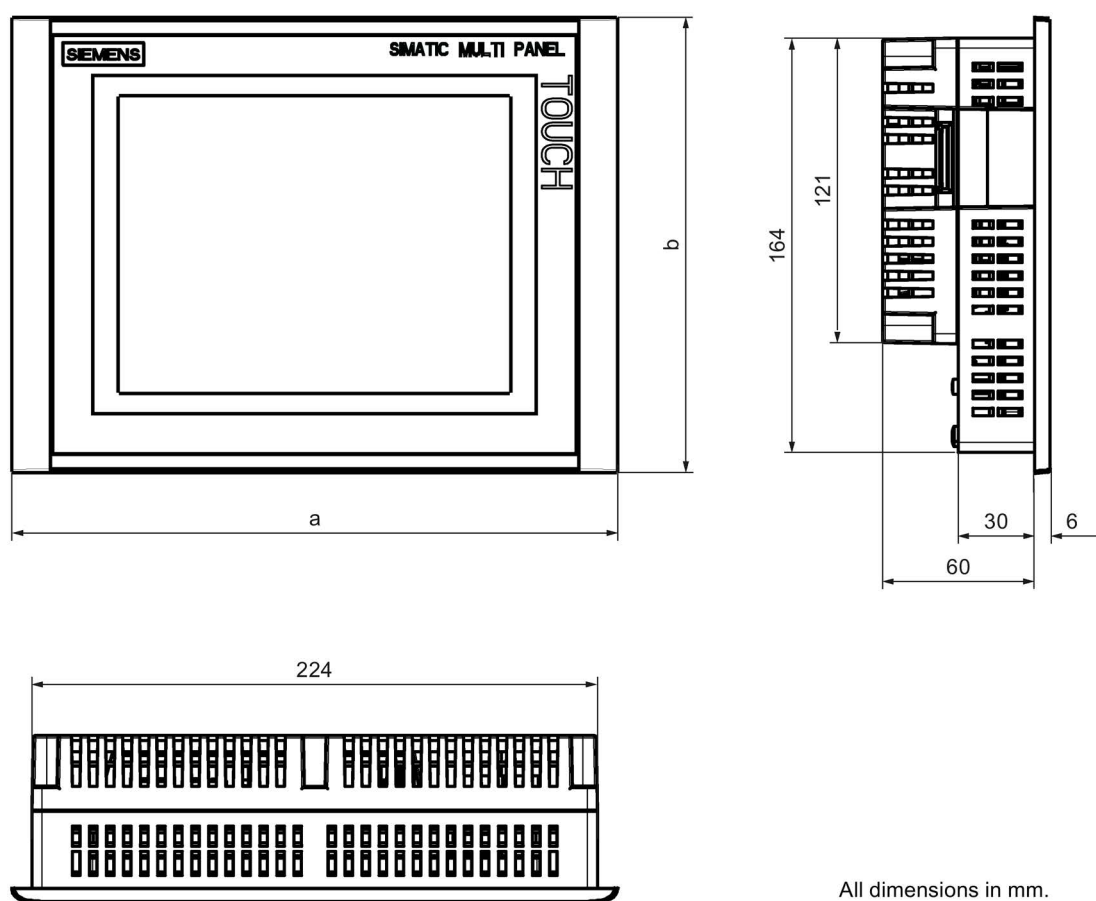


Technical specifications

10.1 Dimension drawings

10.1.1 Dimension drawing of the MP 277 8" Touch

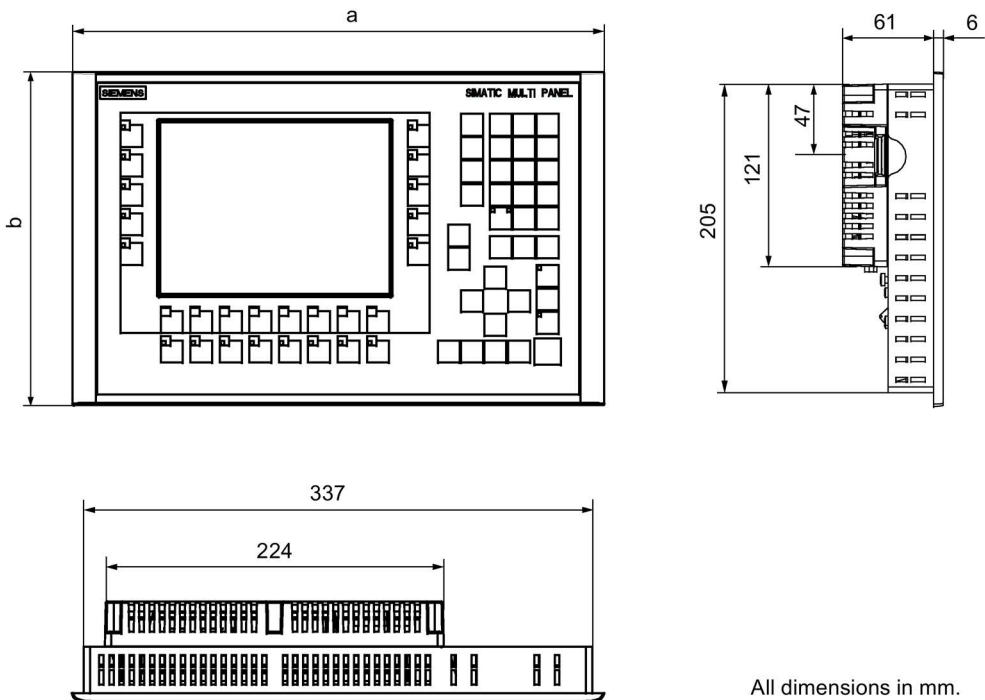
The HMI device MP 277 8" Touch is available in two enclosure models. The enclosure models have different article numbers. The article number is on the back of the HMI device.



Article number	a	b
6AV6643-0CB01-1AX2	250 mm	190 mm
6AV6643-0CB01-1AX1	250 mm	190 mm
6AV6643-0CB01-1AX5	240 mm	180 mm

10.1.2 Dimension drawing of the MP 277 8" Key

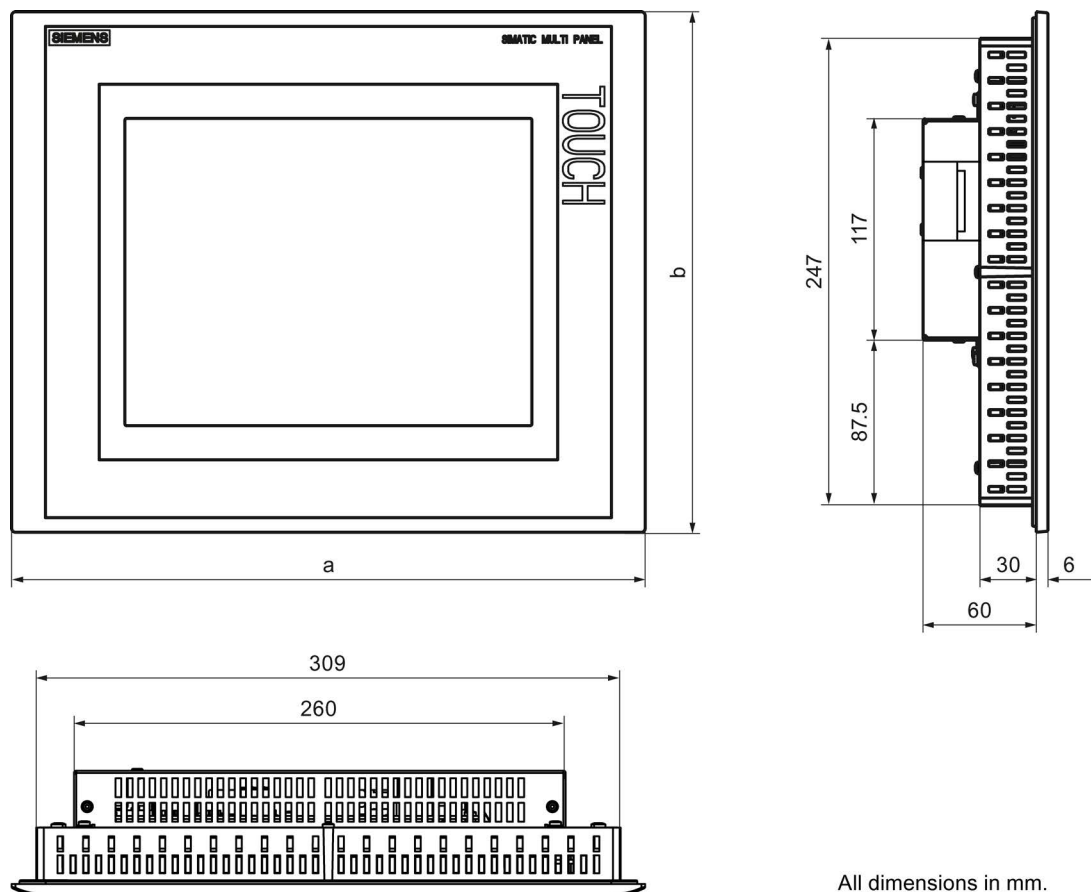
The HMI device MP 277 8" Key is available in two enclosure models. The enclosure models have different article numbers. The article number is on the back of the HMI device.



Article number	a	b
6AV6643-0CB01-1AX2	362 mm	231 mm
6AV6643-0CB01-1AX1	362 mm	231 mm
6AV6643-0CB01-1AX5	352 mm	221 mm

10.1.3 Dimension drawing of the MP 277 10" Touch

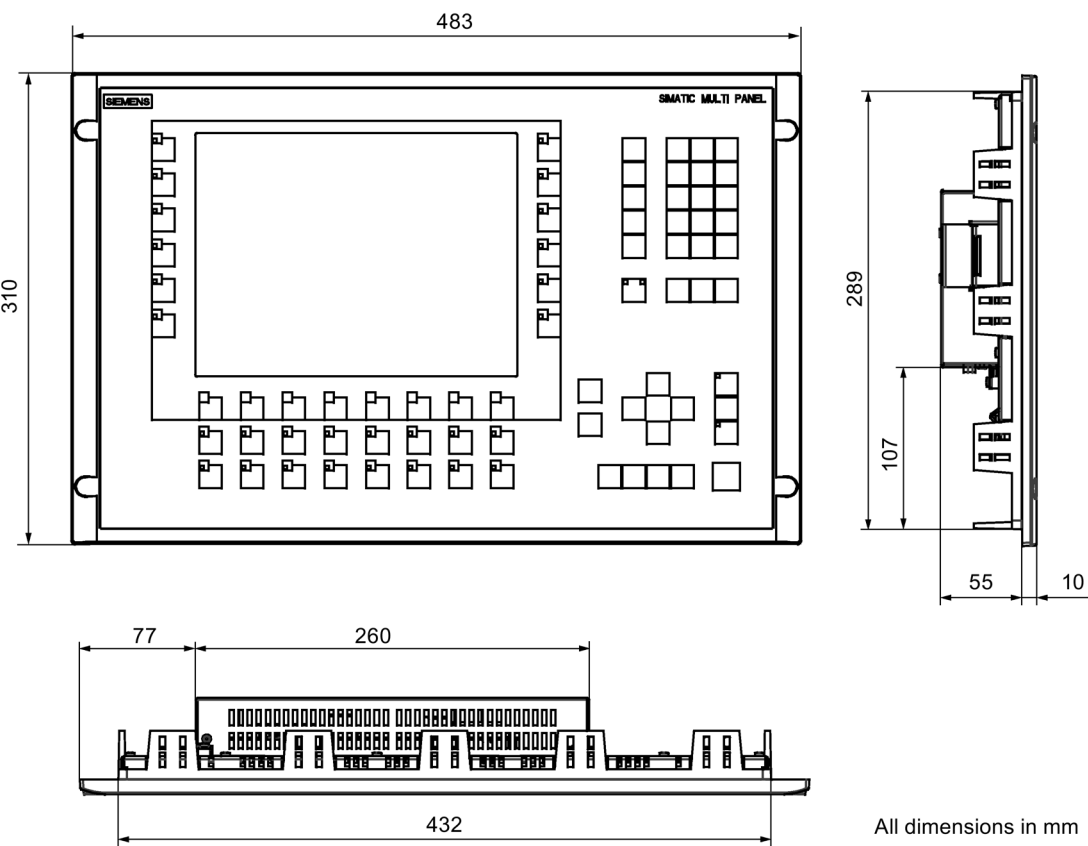
The HMI device MP 277 10" Touch is available in two enclosure models. The enclosure models have different article numbers. The article number is on the back of the HMI device.



All dimensions in mm.

Article number	a	b
6AV6643-0CD01-1AX2	335 mm	275 mm
6AV6643-0CD01-1AX1	335 mm	275 mm
6AV6643-0CD01-1AX5	325 mm	263 mm

10.1.4 Dimension drawing of the MP 277 10" Key



10.2 Specifications

10.2.1 Specifications of the MP 277 Touch

HMI device

	MP 277 8" Touch	MP 277 10" Touch
Weight without packaging	Approx. 1610 g	Approx. 2650 g

Display

	MP 277 8" Touch	MP 277 10" Touch
Display area, active	153.7 mm x 115.8 mm (7.5")	211.2 mm x 158.4 mm (10.4")
Type	LCD TFT	
Resolution	640 x 480 pixels	
Colors, displayable	64k	
Brightness control	Yes	

Input device

	MP 277 8" Touch	MP 277 10" Touch
Type	Resistive analog touch screen	

Memory

	MP 277 8" Touch	MP 277 10" Touch
Application memory	6 MB	

Ports

	MP 277 8" Touch	MP 277 10" Touch
1 x RS 422/RS 485	Max. 12 Mbps	
2 x USB	USB host; conforms to USB standard 1.1 (supporting low-speed and full-speed USB devices) Maximum load 500 mA	
1 x Ethernet	RJ45 10/100 Mbps	

Supply voltage

	MP 277 8" Touch	MP 277 10" Touch
Rated voltage	+24 V DC	
Range, permissible	20.4 V to 28.8 V (-15%, +20%)	
Transients, maximum permissible	35 V (500 ms)	
Time between two transients, minimum	50 s	

10.2 Specifications

	MP 277 8" Touch	MP 277 10" Touch
Current consumption		
• Typical	• Approx. 600 mA	• Approx. 700 mA
• Constant current, maximum	• Approx. 1000 mA	• Approx. 1100 mA
• Power on current surge I ² t	• Approx. 1 A ² s	• Approx. 1 A ² s
Fuse, internal	Electronic	

Miscellaneous

	MP 277 8" Touch	MP 277 10" Touch
Realtime clock, buffered ¹⁾	Yes	
Magnetic field intensity	50/60 Hz; 100 A/m RMS	

¹ Bridging time of the buffering, approx. 6 weeks.

10.2.2 Specifications of the MP 277 Key

HMI device

	MP 277 8" Key	MP 277 10" Key
Weight without packaging	Approx. 2250 g	Approx. 4950 g

Display

	MP 277 8" Key	MP 277 10" Key
Display area, active	153.7 mm x 115.8 mm (7.5")	211.2 mm x 158.4 mm (10.4")
Type	LCD TFT	
Resolution	640 x 480 pixels	
Colors, displayable	64k	
Brightness control	Yes	

Input device

	MP 277 8" Key	MP 277 10" Key
Type	Membrane keyboard	
Function keys	26 function keys, of which 18 with LED	34 function keys, of which 26 with LED

10.4 Description of the ports

10.4.1 Power supply

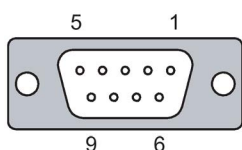
Plug connector, 2-pin



Pin	Assignment
1	+24 VDC (L+)
2	GND 24 V (M)

10.4.2 X10/IF 1B (RS 422/RS 485)

Sub-D socket, 9-pin, with screw lock



Pin	Assignment for the RS 422	Assignment for the RS 485
1	n. c.	n. c.
2	GND 24 V	GND 24 V
3	TxD+	Data channel B (+)
4	RD+	RTS ¹⁾
5	GND 5 V, floating	GND 5 V, floating
6	+5 VDC, floating	+5 VDC, floating
7	+24 VDC, out (max. 100 mA)	+24 VDC, out (max. 100 mA)
8	TxD-	Data channel A (-)
9	RxD-	RTS ¹⁾

¹⁾ On pin 4 or pin 9, can be set with DIP switch on the rear of the device