

Hardware Specifications

Advanced HMI

Model		Advanced Narrow Frame Type		
		DOP-103WQ	DOP-107WV	DOP-110WS
LCD Module	Display	4.3" TFT LCD	7" TFT LCD	10.1" TFT LCD
	Color	16-bit		
	Resolution (Pixels)	480 x 272	800 x 480	1,024 x 600
	Back Light	LED Back Light		
	Back Light Brightness (cd/m ²)	400	450	450
	Back Light Life (Hour) ¹¹	10,000	20,000	30,000
	Display Area	95.04 x 53.856 mm	154.08 x 85.92 mm	225.52 x 128.10 mm
MCU	ARM Cortex-A8 (800MHz)			
Flash ROM (Bytes)	256 MB			
RAM (Bytes)	512 MB			
Touch Panel	Four-wire resistor, over 10,000,000 pressing times			
Buzzer	Multi-Tone Frequency (2K ~ 4K Hz) / 80dB			
Ethernet Interface	1 Port ² , 10/100 Mbps auto-sensing			
USB	1 USB Slave Ver 2.0 / 1 USB Host Ver 2.0			
SD	N/A		SD x 1	
Serial COM Port	COM1	RS-232 (supports hardware flow control) / RS-485 ²	RS-232 (supports hardware flow control) ²	
	COM2 ²	RS-422 / RS-485 ²	RS-232 (supports hardware flow control) / RS-485 ²	
	COM3 ²	N/A	RS-422 / RS-485 ²	
RTC	Built-in			
Cooling	Natural air circulation			
Certification	CE/UL (please use shielding Ethernet cables and magnetic rings with filters of 300 ohm / 100 MHz)			
Waterproof	IP65 / NEMA4 / UL Type 4X (indoor use only)			
Operation Voltage ³	DC +24V (-15% ~ 15%) ² , supplied by Class 2 or SELV circuit (isolated from MAINS by double insulation)			
Voltage Endurance	AC500V for 1 minute (between charging DC24 terminal and FG terminals)			
Power Consumption ⁵	Max. 5.8W ³	Max. 8.4W ³	Max. 11W ³	
Backup Battery	3V lithium battery CR2032 × 1			
Backup Battery Life	Depends on the temperature used and the conditions of usage, usually about 3 years or more at 25° C			
Operating Temperature	0° C ~ 50° C			
Storage Temperature	-20° C ~ 60° C			
Ambient Humidity	10% ~ 90% RH (0 ~ 40° C), 10% ~ 55% RH (41 ~ 50° C), Pollution Degree 2			
Vibration	IEC 61131-2 compliant 5 Hz ~ 8.3Hz = Continuous: 3.5mm, 8.3Hz ~ 150Hz = Continuous: 1g			
Shock	IEC 60068-2-27 compliant 15g peak for 11ms duration, X, Y, Z, directions for 6 times			
Dimensions (W) x (H) x (D) mm	137 x 103 x 37.1	196 x 136 x 39	270 x 180.9 x 47.25	
Mounting Dimensions (W) x (H) mm	118.8 x 92.8	186.8 x 126.8	255 x 170.5	
Weight	280g	560g	1,100g	

1) The half-life of a backlight is defined as the original luminance being reduced by 50% when the maximum driving current is supplied to an HMI.

2) Built-in power isolation

3) An isolated power supply is recommended.

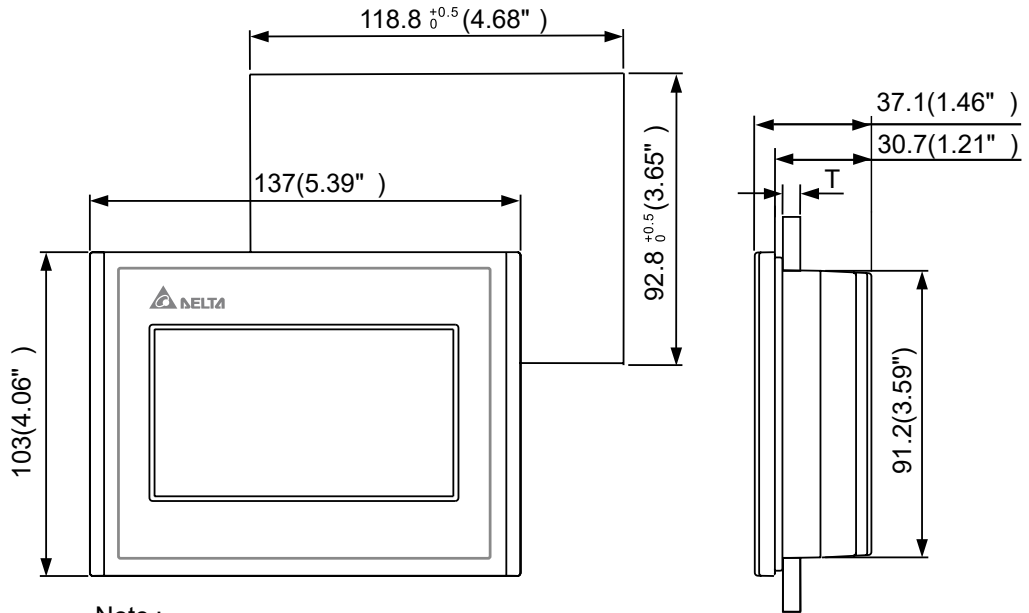
4) Some models are in the process of application for UL and KCC certification. For more information, please consult our distributors.

5) The value of the power consumption indicates the electrical power consumed by the HMI with no peripheral devices connected.

6) The content of this catalogue may be revised without prior notice. Please consult our distributors or download the most updated version at <http://www.deltaww.com>

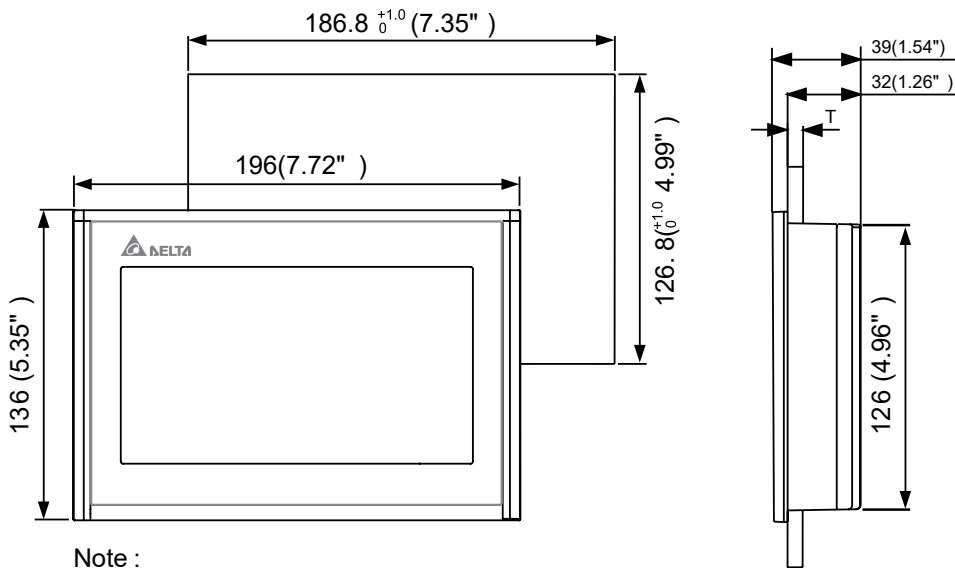
Dimensions Unit: mm (inches)

•DOP-103WQ



Note :
T=1.6mm~3mm(0.063"~0.12")

•DOP-107WV



Note :
T=1.6mm~6mm(0.063"~0.24")