



High Color High Resolution



High Capacity

High Speed Network

DOP-B10

Delta's New Generation HMI

DOP-B10S615

10 inches Standard Type



64K Color TFT Serial Interface USB SDHC Card

Widescreen display increases viewing enjoyment

Delicate and High Quality Display

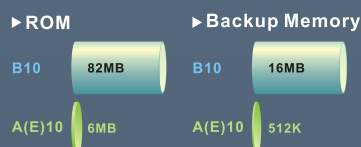
65536 colors high-color TFT display adopts whole-new 2D drawing technology which greatly enhances resolution to WXGA (1024x600) and increases the editing area to double in size (compared with VGA(640X480)). The users can design more screen elements and create more colorful and exquisite display.

Energy Saving, Environmental, Automation

For global environment protection, DOP-B series all models are equipped with LED backlights free from eco-problems caused by mercury contamination, which save energy, reduce carbon dioxide (CO2) emissions and offer more eco-friendly automation products.

High-Capacity Memory

DOP-B series HMI features high-capacity memory, capable of storing more images and collecting more historical data.



DOP-B10E615

10 inches Ethernet Type



64K Color TFT Serial Interface USB SDHC Card Audio Output Ethernet

Enhanced options expand application possibilities

High-Speed Ethernet

High speed 10M/100M Ethernet interface allows HMI to be connected to various kinds of equipment rapidly. Operating with eServer and eRemote software programs, monitoring and controlling are easy and effective, and a complete and ultimate network monitoring solution could be established as well.

DOP eServer Data Collection Software

eServer is used to transfer production information and history data directly from production site to a PC in the office via Ethernet. Collected data can be saved in user-defined Excel file so as to create production reports according to various purposes conveniently.

DOP eRemote Remote Control Software

eRemote is used to view and check the same screen shown on HMI at the production site and control the manufacturing process via Ethernet. No matter where you are, remote controlling is not an arduous task at all.

Audio Output Interface

DOP-B series HMI supports MP3/WAV audio files to alert the users of an alarm. Different audio file represents different alarm message to ensure safe operation and avoid accidents for a wide range of applications.

Specifications

MODEL		DOP-B10S615	DOP-B10E615
LCD MODULE	Display Type	10.1" Wide Screen TFT LCD (65536 colors)	
	Resolution	1024 x 600 pixels	
	Backlight	LED Back Light (less than 10,000 hours half-life at 25°C) ^(Note1)	
	Display Size	226 x 128.7mm	
Operation System		Delta Real Time OS	
MCU		32-bit RISC Micro-controller	
NOR Flash ROM		Flash ROM 82Mbytes	
SDRAM		64Mbytes	
Backup Memory		16Mbytes	
Sound Effect Output	Buzzer	Multi-Tone Frequency (2K ~ 4K Hz) /85dB	
	AUX	N/A	Stereo output
Ethernet Interface		N/A	IEEE 802.3, IEEE 802.3u 10/100 Mbps auto-sensing (has built-in isolated power circuit ^(Note3))
Memory Card		SD Card (supports SDHC)	
USB		1 USB Host ^(Note2) Ver 1.1 / 1 USB Client Ver 1.1	
Serial COM Port	COM1	RS-232 (supports hardware flow control)	
	COM2	RS-232/RS-422/RS-485 (has built-in isolated power circuit ^(Note3))	
	COM3	RS-232/RS-422/RS-485 (has built-in isolated power circuit ^(Note3))	
Function Key		N/A	
Perpetual Calendar (RTC)		Built-in	
Cooling Method		Natural air circulation	
Safety Approval (Waterproof for front panel)		IP65/NEMA4/CE, UL ^(Note4)	
Operation Voltage ^(Note5)		DC +24V (-10% ~ +15%) (has built-in isolated power circuit ^(Note3))	
Voltage Endurance		AC500V for 1 minute (between charging (DC24 terminal) and FG terminals)	
Power Consumption ^(Note5)		12W	
Backup Battery		3V lithium battery CR2032 x 1	
Backup Battery Life		It depends on the temperature used and the conditions of usage, about 3 years or more at 25°C	
Operation Temp		0°C ~ 50°C	
Storage Temp		-20°C ~ +60°C	
Ambient Humidity		10% ~ 90% RH [0 ~ 40°C] , 10% ~ 55% RH [41 ~ 50°C] , Pollution Degree 2	
Vibration Resistance		IEC 61131-2 Compliant 5Hz≤f<9Hz = Continuous: 1.75mm / Occasional: 3.5mm 9Hz≤f≤150Hz = Continuous: 0.5g / Occasional: 1.0g X, Y, Z directions for 10 times	
Dimensions (W) x (H) x (D) mm		272 x 200 x 61	
Panel Cutout (W) x (H) mm		261.3 X 189.3	
Weight		Approx. 1520g	

1) The half-life of backlight is defined as original luminance being reduced by 50% when the maximum driving current is supplied to HMI. The life of LED backlight shown here is an estimated value under 25°C normal temperature and humidity conditions.

2) USB Host port can provide up to 5V/ 500mA of power.

3) The withstand voltage of the isolated power circuit is 1500V peak for 1 minute.

4) DOP-B05S101, DOP-B10S615, DOP-B10E615 models are in the process of application to UL certification.

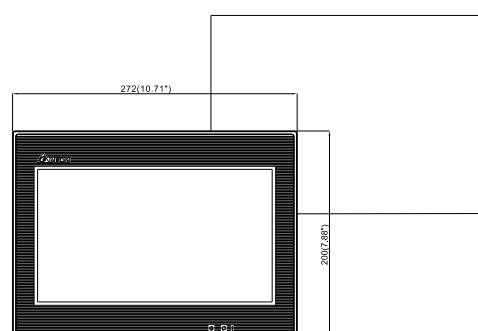
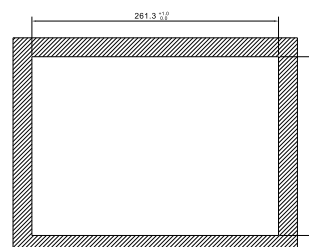
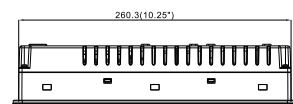
5) The value of the power consumption indicates the electrical power consumed by HMI only without connecting to any peripheral devices. In order to ensure the normal operation, it is recommended to use a power supply which the capacity is 1.5 ~ 2 times the value of the power consumption.

6) Users can download the Screen Editor V2.00, the program editor of Delta HMI product and the user manual via the following link: <http://www.delta.com.tw/industrialautomation/>.

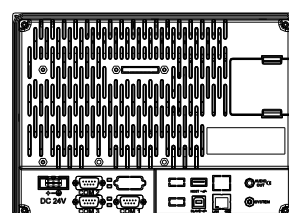
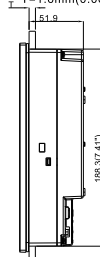
7) The content of this brochure may be revised without prior notice. Please consult our distributors or download the most updated version at <http://www.delta.com.tw/industrialautomation/>.

Dimensions and Panel Cutout

Units: mm (inches)



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



DELTA
DELTA ELECTRONICS, INC.
www.delta.com.tw/industrialautomation

31-1, Xingbang Road, Guishan Industrial Zone,
Taoyuan County 33370, Taiwan, R.O.C.
TEL: 886-3-362-6301 / FAX: 886-3-362-7267