

# DOP-B

## DELTA Human Machine Interface

### Wide & Colorful Panel

Delta whole new B series HMI is Delta's latest new-generation 7" TFT human machine interface with 65,536 colors, featuring modern and calm appearance, refined texture, and easy to operate, offering a more friendly design on the interface and installation as well as more stable quality.

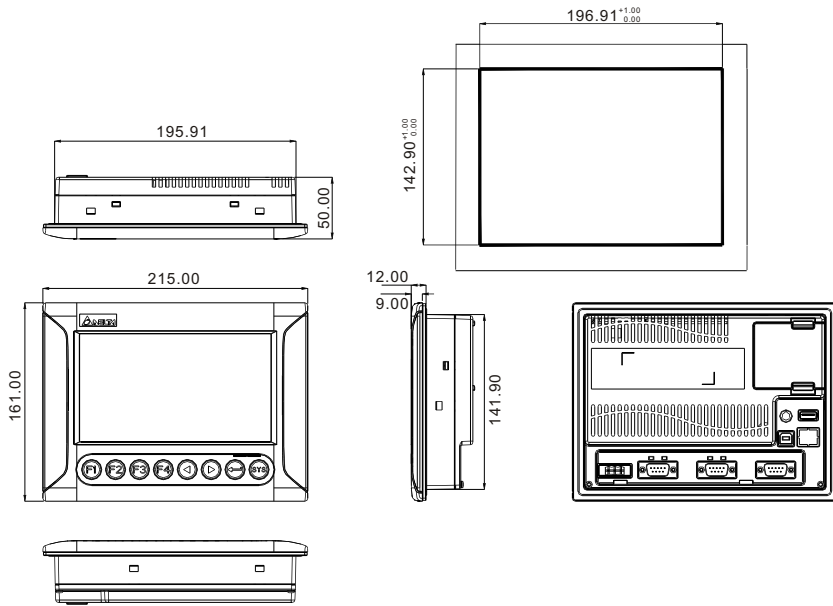
Realistic 65536 high colors display brings the best visual enjoyment and makes it easier to work productively. 7 inches wide screen (16:9) TFT LCD provides more viewing area than general HMI normal screen (4:3).

### DOP-B07

- 7" 65536 colors wide TFT
- USB client for high-speed screen data download
- Support USB Host for USB disk, printer, mouse and keyboard
- Support SD/CF memory card
- Offer Ethernet interface
- Support multimedia sound effect and GIF format animation



## Dimensions



## Hardware Specification

| MODEL  |              | DOP-B07S200   | DOP-B0713(5)00<br>DOP-B0713(5)10                     | DOP-B07E3(5)00<br>DOP-B07E3(5)10                     |
|--|--------------|---|--|--|
| Operation System                             |              | Windows Base Real Time OS   |  |  |
| MCU  |              | 32-bit RISC Micro-controller  |  |  |
| NOR Flash ROM                                |              | NOR Flash ROM 4 Mbytes  |  |  |
| LCD MODULE                                   | Display Type | Wide Screen TFT LCD (65536 colors)  |  |  |
|  | Resolution   | 480 x 234 pixels  |  |  |
|  | Back Light   | CCFL Back Light(about 50 thousand hours at 25°C)  |  |  |
|  | Display Size | 7" (154.08 x 86.58mm)   |  |  |
| SDRAM  |              | 16Mbytes  |  |  |
| Backup Memory (Bytes)                        |              | 256K  |  |  |
| Sound Effect Output                          | Buzzer       | Multi-Tone Frequency (2K ~ 4K Hz)/85dB  |  |  |
|  | AUX          | N/A   | ✓ (for DOP-B071310/510 only)                         | ✓ (for DOP-B07E310/510 only)                         |
| Ethernet Interface                           |              | N/A   | N/A  | ✓  |
| Extension Memory                             | Memory Card  | N/A   | CF Card: DOP-B071300/310<br>SD Card: DOP-B071500/510 | CF Card: DOP-B07E300/310<br>SD Card: DOP-B07E500/510 |
|  | USB Disk     | ✓   | ✓  | ✓  |
| USB for Download [ USB Client ]              |              | 1 Client Ver 1.1  |  |  |
| USB for Data Storage / Printer [ USB Host ]  |              | ✓   | ✓  | ✓  |
| Serial COM Port                              | COM1         | RS-232  |  |  |
|  | COM2         | RS-232/422/485  | RS-232/422/485(Isolated)                             | RS-232/422/485(Isolated)                             |
|  | COM3         | RS-232/422/485  | RS-232/422/485(Isolated)                             | RS-232/422/485(Isolated)                             |
| Function Key                                 |              | User defined key x 4 + System key x 4   |  |  |
| Perpetual Calendar (RTC)                     |              | Built-in  |  |  |
| Operation Voltage                            |              | DC +24V (-10% ~ +15%)   |  |  |
| Consumption Power                            |              | Approx. 7.5W  |  |  |
| 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.  |  |  |
| Cooling Method                               |              | Natural air circulation   |  |  |
| Operating Temp.                              |              | 0°C to 50°C   |  |  |
| Storage Temp.                                |              | -20°C to +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<br>9Hz≤f≤150Hz = Continuous: 0.5g / Occasional: 1.0g , X, Y, Z directions for 10 times |  |  |
| Dimensions(W) x (H) x (D) mm                 |              | 215 x 161 x 50  |  |  |
| Panel Cutout(W) x (H) mm                     |              | 196.9 x 142.9   |  |  |
| Safety Approval (Waterproof for front panel) |              | IP65 / NEMA4 / CE, UL   |  |  |
| Weight                                       |              | Approx. 800g  |  |  |



### ASIA

**Delta Electronics, Inc.**  
Taoyuan1  
31-1, Xingbang Road, Guishan Industrial Zone,  
Taoyuan County 33370, Taiwan, R.O.C.  
TEL: 886-3-362-6301 / FAX: 886-3-362-7267

### Delta Electronics (Jiang Su) Ltd.

**Wujiang Plant3**  
1688 Jiangxing East Road,  
Wujiang Economy Development Zone,  
Wujiang City, Jiang Su Province,  
People's Republic of China (Post code: 215200)  
TEL: 86-512-6340-3008 / FAX: 86-512-6340-7290

### Delta Electronics (Japan), Inc.

**Tokyo Office**  
Delta Shibadaimon Building, 2-1-14 Shibadaimon,  
Minato-Ku, Tokyo, 105-0012, Japan  
TEL: 81-3-5733-1111 / FAX: 81-3-5733-1211

### Delta Electronics (Korea), Inc.

Donghwa B/D 3F, 235-6, Nonhyun-dong,  
Kangnam-gu, Seoul 135-010, Korea  
TEL: 82-2-515-5303/5 / FAX: 82-2-515-5302

### Delta Electronics (Singapore) Pte. Ltd.

8 Kaki Bukit Road 2, #04-18 Ruby Warehouse  
Complex, Singapore 417841  
TEL: 65-6747-5155 / FAX: 65-6744-9228

### Delta Electronics SYSTEMS (India) Pvt. Ltd.

Plot Number 27 & 31, Sector-34, EHTP,  
Gurgaon-122001 Haryana, India  
TEL: 91-124-4169040 / FAX: 91-124-4036045

### AMERICA

#### Delta Products Corporation (USA)

**Raleigh Office**  
P.O. Box 12173, 5101 Davis Drive,  
Research Triangle Park, NC 27709, U.S.A.  
TEL: 1-919-767-3813 / FAX: 1-919-767-3969

### EUROPE

#### Deltronics (The Netherlands) B.V.

**Eindhoven Office**  
De Witbogt 15, 5652 AG Eindhoven,  
The Netherlands  
TEL: 31-40-2592850 / FAX: 31-40-2592851