



Automation for a Changing World

Delta Human Machine Interface DOP-W Series



www.deltaww.com

 **DELTA**
Smarter. Greener. Together.

One Touch Gives You Limitless Possibilities with HMI

Meets Customer Needs. Satisfies a Variety of Applications. Provides Multiple Functions. Creates the Ultimate in FA Equipment.



Product Features

The Ultimate in Industrial Versatility

- ▶ 1GHz high speed processor for higher computing performance
- ▶ Aluminum enclosure: greater vibration resistance and higher tolerance for ambient environments compared with plastic enclosure.
- ▶ The enclosure with dark gray mold texturing is easily cleaned and ideal for medical and food sectors.
- ▶ 1024 x 768 pixels high resolution and high brightness display (W127B: 500 cd/m², W157B: 450 cd/m²)
- ▶ 256MB Flash ROM
- ▶ Highly reliable touch panel with min. 10,000,000 touches



Front Speaker

- ▶ The built-in stereo amplifying speaker provides efficient alarm notifications. No additional speaker is required.
- ▶ Apart from replacing general alarm with buzzers, functions for playing recorded voice and reminders are available for multiple applications.
- ▶ Mechanism design breakthrough. Front panel including the front speaker has acquired the IP65 waterproof certificate.



Multiple Peripheral Interfaces

- ▶ Supports 2 COM Ports
- ▶ Supports 2 Ethernet Ports
- ▶ Supports 3 USB Host 2.0 Ports
- ▶ Supports SD card
- ▶ Apart from traditional mounting, DOP-W also supports VESA standard mounting interface making wall mounts easier.

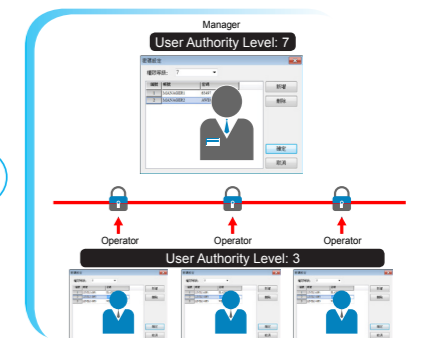
* VESA mounting interface is only available on devices above 12 inches.



Multi-User Authority Management

This function allows users to assign authority levels and register passwords to set permissions for different user groups for security control. No need for third-party configuration and set-up costs.

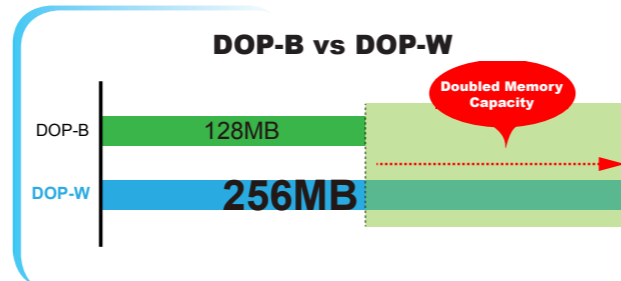
- ▶ 8 levels of user authority Level: 0 ~ 7
- ▶ 8 sets of user accounts with passwords for each user authority level



Product Features

High-Capacity Memory

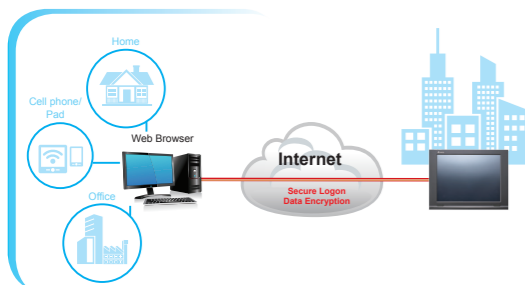
- Increased memory capacity stores more nonvolatile data, such as alarm messages and historical records than ever before for power-loss protection.



More Powerful Remote Monitoring Function

- Compatible with eRemote
- Supports VNC Server
- Monitoring by eRemote software or web browser on PC
- Apps for eRemote or VNC Client support Apps on Android devices
- VNC Client supported Apps on iOS devices

* Supports VNC function only during the launching period. eRemote of PC/Android version for DOP-W are scheduled for release in January 2015.
** JAVA is required in web browsers.



Two Individual Ethernet Ports

- Two individual Ethernet ports are equipped as standard, one is for HMI communication and the other is for external I/O for quick and easy integration.



Multilingual Display

- In addition to English and numbers, 16 languages are supported with more localized interface

* Supports English, Traditional Chinese, and Simplified Chinese only during the launching period.

** Other languages such as Arabic, French, German, Hebrew, Hindi, Portuguese, Spanish, Japanese, Korean, Thai, Turkish, Russian, and Persian are continually added.



Video Player

- A new video player with self-defined playlist allows users to manage the list based on different applications.

* Supported Format: MPEG1, MPEG2, WMV



Specifications

MODEL		DOP-W105B	DOP-W127B	DOP-W157B
LCD MODULE	Display Type	10.4" TFT LCD	12.1" TFT LCD	15" TFT LCD
	Resolution	800 x 600 pixels	1024 x 768 pixels	
	Backlight	LED Backlight		
	Backlight Life	less than 10,000 hours	less than 30,000 hours	less than 80,000 hours
	Luminance	300 cd/m ² (Typ.)	500 cd/m ² (Typ.)	450 cd/m ² (Typ.)
	Display Size	211.20 x 158.40mm	245.76 x 184.32mm	304.1 x 228.1mm
MCU		ARM Cortex-A8 (1GHz)		
NOR Flash ROM		256 MB		
SDRAM		256 MB		
Backup Memory		800,000 numbers of data (alarm data + historical data)		
Touch Screen Interface		4-wire resistive touch screen > 10,000,000 operated		
Buzzer		Multi-Tone Frequency (2K ~ 4K Hz) / 80dB		
Audio Output		Stereo Headphone jack	Stereo Headphone jack + Built in 1.5W Speaker	
USB		3 USB Host Ver 2.0		
SD		SDHC x 1		
Serial COM Port	COM1	N/A		
	COM2	RS-232 / RS-422 / RS-485 (has built-in isolated power circuit ^(Note 1))		
	COM3	RS-232 / RS-422 / RS-485 (has built-in isolated power circuit ^(Note 1))		
Ethernet		2 Ports IEEE 802.3 (10BASE-T) IEEE 802.3u (100BASE-TX) IEEE 802.3x (Full Duplex and flow control)		
Perpetual Calendar (RTC)		Built-in		
Cooling Method		Natural air circulation		
Safety Approval		CE / UL		
Waterproof Degree		IP65 / NEMA4		
Operation Voltage ^(Note2)		DC +24V (-10% ~ +15%) (has built-in isolated power circuit)		
Voltage Endurance		AC500V for 1 minute [between charging (DC24V terminal) and FG terminals]		
Power Consumption ^(Note 2)		13.5W (Max)	18.5W (Max)	21.6W (Max)
Backup Battery		uses a gold-capacitor instead of a battery, no need replacement of batteries		
Backup Battery Life		It can keep the RTC working at least seven days in a working environment where the conditions do not exceed the specifications for the DOP-W series.		
Operation Temperature		0 °C ~ 50 °C		
Storage Temperature		-20 °C ~ +60 °C, 10% ~ 90% RH		
Ambient Humidity		10% ~ 90% RH [0 ~ 40 °C] , 10% ~ 55% RH [41 ~ 50 °C] , Pollution Degree 2		
Vibration		IEC61131-2 compliant 5Hz ~ 8.3Hz = Continuous: 3.5mm, 8.3Hz ~ 150Hz = Continuous: 1G		
Shock		IEC 60068-2-27 compliant 15g peak for 11 ms duration X, Y, Z directions for 6 times		
Dimensions (W) x (H) x (D)mm		299 x 224 x 46.8	313 x 239.5 x 67.5	384.4 x 295.8 x 67.8
Panel Cut-out (W) x (H)mm		285.2 x 210.2	302.7 x 228.7	372.4 x 283.7
Weight		Approx. 1,750g	Approx. 2,830g	Approx. 3,880g

NOTE:

1) The isolated power circuit can withstand voltage of a 1500V peak for 1 minute.

2) The value of the power consumption indicates the electrical power consumed by HMI only without connecting to any peripheral devices. To ensure normal operation, it is recommended using a power supply with a capacity that is 1.5 ~ 2 times the value of the power consumption.

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



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Industrial Automation Headquarters

Delta Electronics, Inc.

Taoyuan Technology Center
No.18, Xinglong Rd., Taoyuan City,
Taoyuan County 33068, Taiwan
TEL: 886-3-362-6301 / FAX: 886-3-371-6301

Asia

Delta Electronics (Jiangsu) Ltd.

Wujiang Plant 3
1688 Jiangxing East Road,
Wujiang Economic Development Zone
Wujiang City, Jiang Su Province, P.R.C. 215200
TEL: 86-512-6340-3008 / FAX: 86-769-6340-7290

Delta Greentech (China) Co., Ltd.

238 Min-Xia Road, Pudong District,
ShangHai, P.R.C. 201209
TEL: 86-21-58635678 / FAX: 86-21-58630003

Delta Electronics (Japan), Inc.

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

Delta Electronics (Korea), Inc.

1511, Byucksan Digital Valley 6-cha, Gasan-dong,
Geumcheon-gu, Seoul, Korea, 153-704
TEL: 82-2-515-5303 / FAX: 82-2-515-5302

Delta Electronics Int'l (S) Pte Ltd.

4 Kaki Bukit Ave 1, #05-05, Singapore 417939
TEL: 65-6747-5155 / FAX: 65-6744-9228

Delta Electronics (India) Pvt. Ltd.

Plot No 43 Sector 35, HSIIDC
Gurgaon, PIN 122001, Haryana, India
TEL : 91-124-4874900 / FAX : 91-124-4874945

Americas

Delta Products Corporation (USA)

Raleigh Office
P.O. Box 12173, 5101 Davis Drive,
Research Triangle Park, NC 27709, U.S.A.
TEL: 1-919-767-3800 / FAX: 1-919-767-8080

Delta Greentech (Brasil) S.A.

Sao Paulo Office
Rua Itapeva, 26 - 3° andar Edificio Itapeva One-Bela Vista
01332-000-São Paulo-SP-Brazil
TEL: 55 11 3568-3855 / FAX: 55 11 3568-3865

Europe

Deltronics (The Netherlands) B.V.

Eindhoven Office
De Witbogt 20, 5652 AG Eindhoven, The Netherlands
TEL: 31-40-2592850 / FAX: 31-40-2592851

*We reserve the right to change the information in this catalogue without prior notice.