



Digitized Automation for a Changing World

Delta Human Machine Interface DOP Series



www.deltaww.com



Delta HMI Smart IIoT Solution

Integrating with DIACloud to Connect Every Step of Smart Manufacturing

The Delta HMI DOP Series features a built-in DIACloud* platform. The HMI collects and uploads real-time equipment data to the cloud for analysis.

DIACloud visualizes key information intuitively, supporting data analytics while optimizing resource allocation and production scheduling.

The solution also enables remote device commissioning and real-time troubleshooting, reducing downtime and enhancing efficiency.

*Applicable to IIoT application model

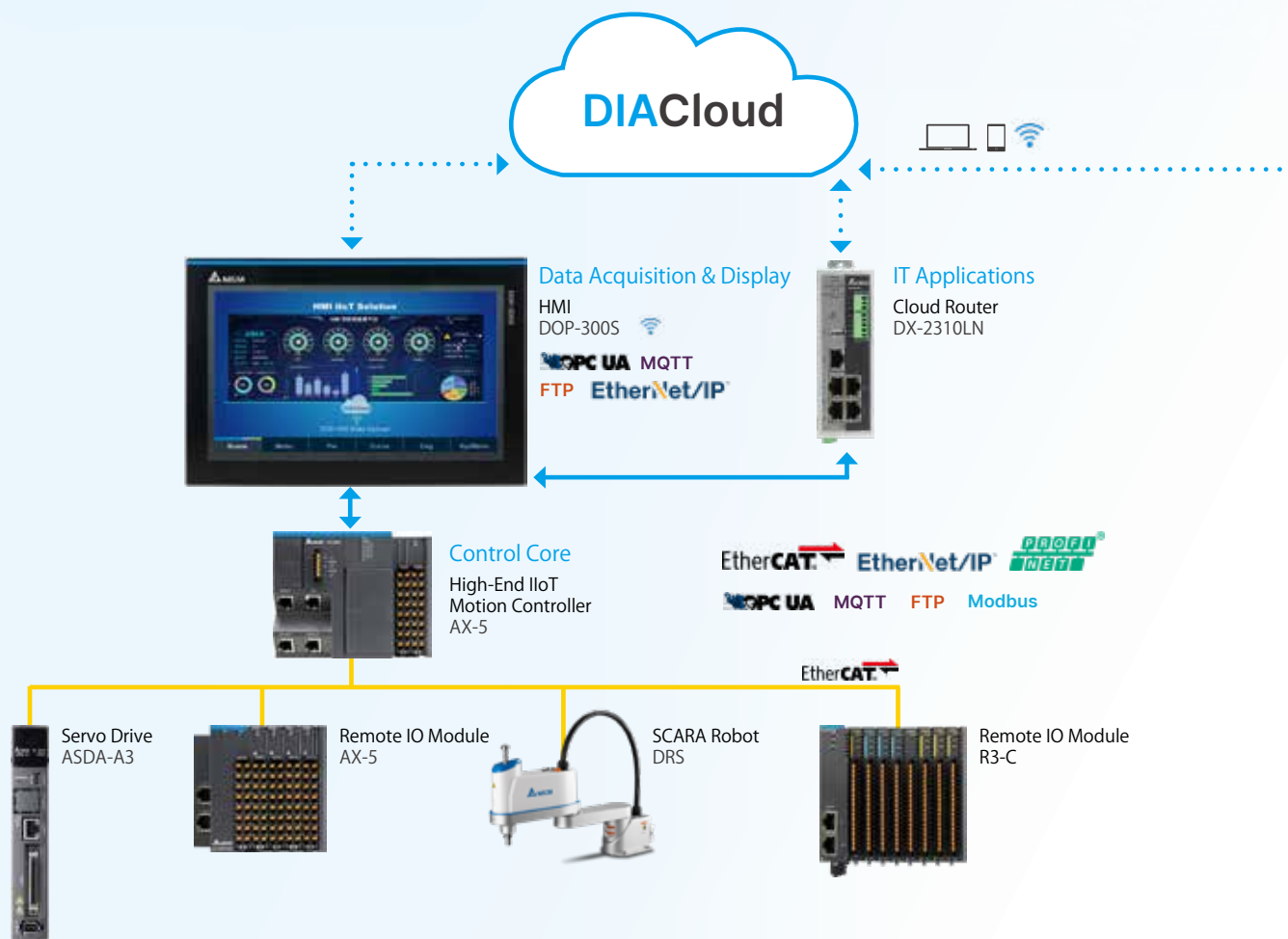




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Machine Maker

Electricity Statistics

 762	 1600	Electricity Statistics Daily Energy Usage: 2732 Monthly Energy Usage: 2064 Annual Energy Usage: 5253	
 150	 1010		

Air Volume Statistics	Natural Gas	Steam	Compressed Air
Daily Accumulation	4937	3207	6242
Monthly Accumulation	9541	3719	747

Remote Control HMI
Execute tuning and debugging



End User

IIoT 戶外應用解決方案

設備名稱: M100000

設備 A	設備 B	設備 C	設備 D	設備 E
100	80	20	100	100
100	80	80	80	80
100	80	80	80	80

工作狀態

模式: ON

速度: 100%

位置: 100%



設備 A

DOP-300 規格

1. 支援 Web 的 可上機監控畫面
2. DeltaCloudManager 可遠端監控
3. 支援 4 路 I/O
4. 支援 4 路 I/O

DOP-107WVCE 規格

1. 支援 4 路 I/O (4x1) Outdoor Use
2. 50V~ 交流電壓輸入
3. 溫度範圍: (-20~70°C) 溫度
4. 溫度範圍: (-20~70°C) 溫度

Real-Time Monitoring Visualization Platform

Delta HMI Smart IIoT Solution

Features

Flexible Integration for Diverse Applications

Remote Mobile Solution: HMI + Wi-Fi Module

The DOP Series integrates DIACloud to enable real-time remote monitoring and device management via smartphones or tablets. Operators can access equipment status, troubleshoot issues, and adjust production settings instantly, enhancing maintenance efficiency and productivity.



Multiple Protocols
Easy IT/OT Integration



Combines with IPC & SCADA
for visualized monitoring



Remote Connectivity
and cloud applications

Intuitive Interface, Easier Operation

QR Code Module

Built-in QR Code display and scanning feature allows instant access to equipment information and operation screens via mobile devices, enhancing on-site inspection and operation efficiency.

Real-Time Data Visualization

- Supports real-time data visualization to quickly integrate production data and machine status.
- Clear and intuitive graphical interface provides instant status monitoring for agile response.



Intuitive graphic design



Flexible screen switching



Multi-language support

Stable and Secure Operation for Continuous Production

Security Authentication: RFID Identification Systems

Enhances personnel access control for critical equipment, reducing safety risks and human errors while ensuring operational safety.

Robot Integration Applications

Integrates with robot control systems, providing an intuitive robot operation interface for quick setup, monitoring, and motion adjustment.



Multiple international safety
certifications



Industrial-grade design
Resistant to harsh environments



Comprehensive redundancy
Data protection mechanisms

Features



Modular Elements

- Supports component types, such as switches, numeric values, and icons
- Offers internal memory tags
- Built-in schedule control tables
- Supports diverse macro language control
- Integrated data exchange and cloud upload communication features



Graphical Design

- Supports light displays, historical numeric trends, and single-record history curves
- Enables trend, bar, gauge, and pie charts
- Provides animated display effects to enhance operational intuitiveness



Data Management

- Alarm records and historical data logging
- Manages operational data and recipes
- Exports data as CSV or PDF files
- Provides flexible record-keeping systems



Access Control & Security

- Protects project files and screens
- Supports executable file encryption and load protection
- Multi-level user / group permission management
- Sets up expiry protection to prevent misuse



Data Exchange

- MQTT and OPC UA server / client
- Lua-based development platform for developing custom applications
- Connects to SQL and other databases for integrated data applications
- FTP connectivity for data backup



HMI DOP-300 Series

Designed for IIoT Solutions,
Shaping a New Horizon for Smart Operations



The DOP-300 Series features the built-in DIACloud platform and DIAWebDesigner, a web-based configuration and planning system, enabling real-time monitoring of on-site data and equipment status. Through cloud connectivity, the platform connects equipment manufacturers, system integrators, and end users, continuously aggregating operational data to preserve know-how and optimize production management.

By accelerating the deployment of IIoT applications, the HMI DOP-300 Series helps enterprises establish a practical and scalable smart manufacturing ecosystem.

OT+IT Ecosystem

DOP-300 Series: Building a Smart & Connected Ecosystem

The HMI DOP-300 consolidates equipment data and uploads it to the DIACloud. With the DIAWebDesigner web-based configuration system, it enables remote management with data visualization for smart manufacturing management.

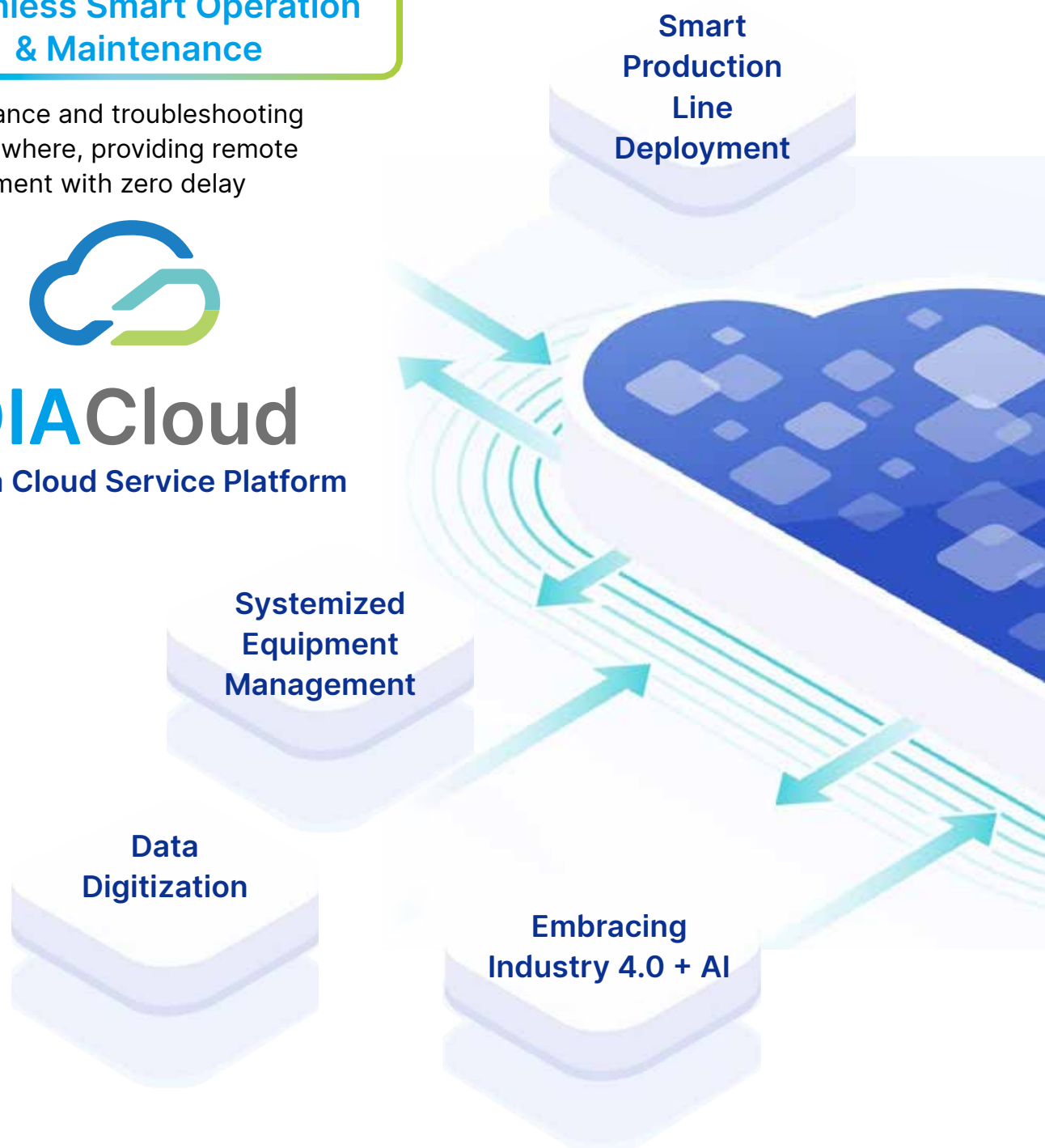
Seamless Smart Operation & Maintenance

Maintenance and troubleshooting from anywhere, providing remote management with zero delay



DIACloud

Delta Cloud Service Platform



**Data
Visualization**

Smart HMI



The HMI DOP-300 Series delivers smooth operation with advanced software features such as data integration, cloud services, and mobile monitoring for a complete smart HMI solution

Visualized Dashboard

An intuitive dashboard with rich visual elements enables real-time monitoring and control of on-site equipment

**Cross-Industry
Coverage***

*Applications:

Compressor monitoring, pressurization motors and pumping systems, medical, pharmaceutical, and food & beverage

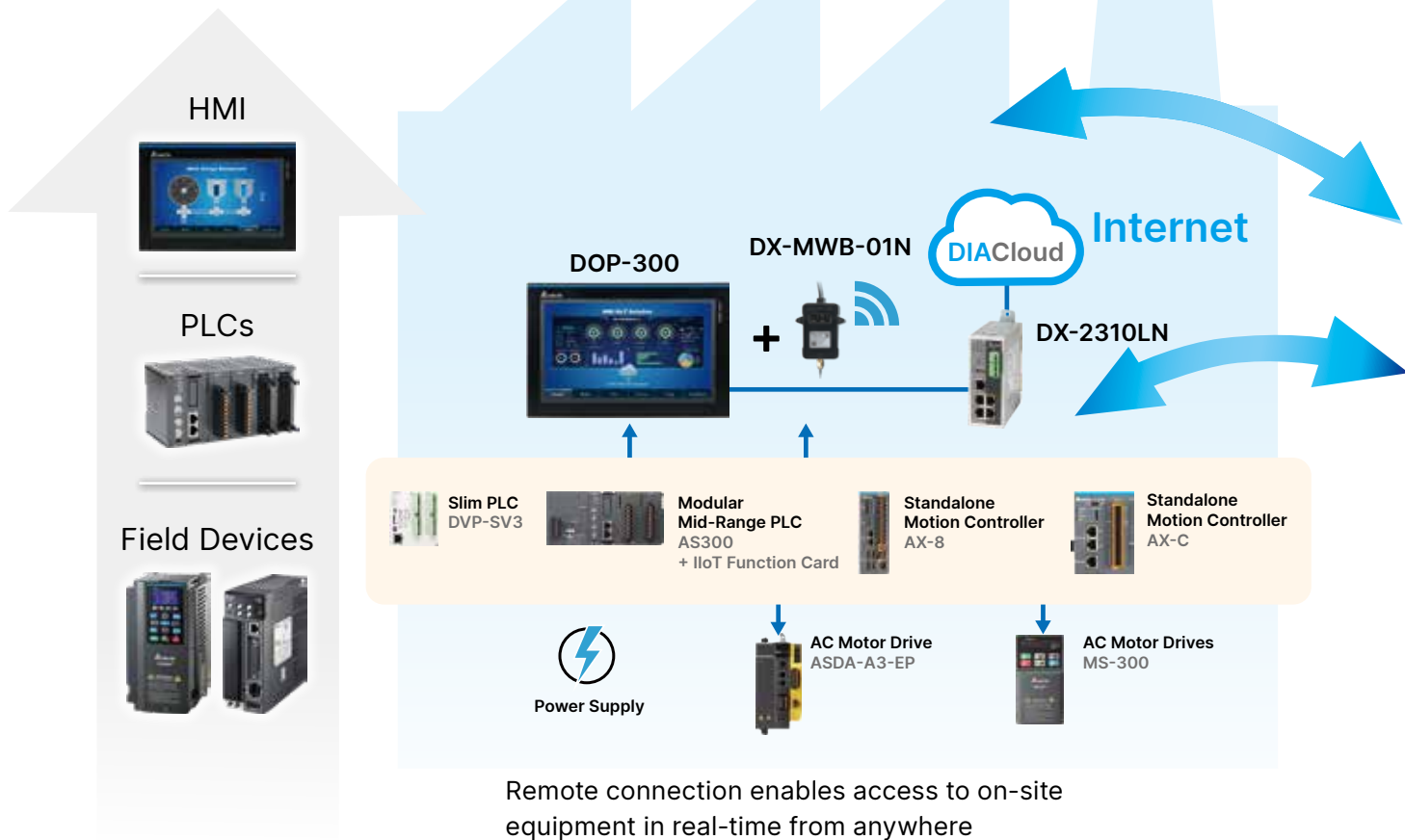


DIAWebDesigner

**Delta Web Configuration
Planning System**

OT+IT Ecosystem

IIoT Structure



Remote Monitoring Dashboard

Collect equipment data and design customized dashboard using rich and diverse charts



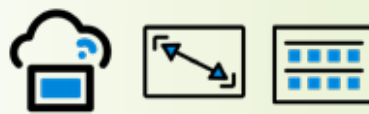
A web configuration planning system with an intuitive user interface design and easy deployment

Display data from different sources on a monitoring dashboard using rich and diverse charts



IIoT Cloud Services Platform

- User-friendly web portal
- Equipment management & remote monitoring
- Safe connection with field devices
- Global services



eDIACloud App



APP Mobile Apps

- Easy cloud connection
- Field devices remote monitoring
- Supports bluetooth

Visualized Dashboard

- Key data analytics
- Data encryption ensures safe data transmitting
- Rich widgets and customized dashboard

Global Server Network

Offers multi-country server deployment,
the best choice for cross-border remote maintenance



Global Deployment, Centralized Management:

Integrated with leading cloud platforms such as AWS, Microsoft Azure, and Alibaba Cloud, enabling easy deployment of multi-country servers through a single management interface.

Software Services

OT+IT Data Integration

- Supports 200+ PLC protocols
- OPC UA security encryption
- MQTT encrypted transmission, integrated with AWS platform
- Supports database connection, integrating data into IT systems

One-Click Deployment

- Cascade controllers for quick tag sharing
- Data is easy to read, search, and maintain, significantly boosting data management efficiency

Flexible & Secure Data Management

- Supports batch report generation
- Report management compliant with FDA 21 CFR Part 11



Supported Protocols

OPC UA	OPC UA Client	Delta	Delta AS Series PLC (Modbus)	Mitsubishi	A Series / J71UC24
	OPC UA Server		Delta AS Series PLC (Modbus TCP)		A2A / A2AS / A2USH A1SH / A3N / A2ASH CPU
MQTT	Client (Publish/Subscribe)		Delta Controller ASCII		FX Series
	Broker		Delta Controller RTU		FX2N
BACnet	BACnet MS/TP		Delta DVP PLC		FX3U Ethernet
	BACnet UDP		Delta DVP Q-Link		FX3U / FX3GA
	BACnet/IP Server		Delta DVP TCP		FX5U Ethernet
MODBUS	984 RTU (Master)		Delta EtherNet/IP		iQ-R Series Computer Link (3C Frame)
	ASCII (Master)		Delta EtherNet/IP (Tag)		iQ-R Series TCP (SLMP)
	ASCII (Slave)				J2s / J3 Series
	RTU (Slave)				L Series Computer Link (3C Frame)
Digital	TCP/IP	Siemens	S7 200		L Series Ethernet (3E Frame)
	Digital Memory Link Normal		S7 200 (ISO TCP)	Beckhoff	Q Series Computer Link
	Digital Memory Link Normal (Slave)		S7 200 Smart (ISO TCP)		Q Series CPU Port
	Digital Memory Link Extended		S7 300 (with PC Adaptor)		Q Series Ethernet (3E Frame)
	Digital Memory Link Extended (Slave)		S7 300 (without PC Adaptor)		QnA Series CPU Port
CODESYS	CODESYS		S7 300 (Direct MPI)		
			S7 300 (ISO TCP)		
			S7 1200 (ISO TCP)	Fatek	TwinCAT ADS/AMS TCP
			S7 1500 (ISO TCP)		TwinCAT Ethernet (Tag)
			S7 LOGO (ISO TCP)		TwinCAT3 ADS/AMS TCP
		YUDIAN	AIBUS		FB Series TCP



Remote Controlling

- Uses VNC Viewer to simultaneously monitor other HMIs, enhancing productivity



Mobile Connectivity

- Offers flexible wireless network solution via a Wi-Fi module
- No external antenna required, reducing control cabinet costs
- Built-in DIACloud data connectivity



User-Friendly UI

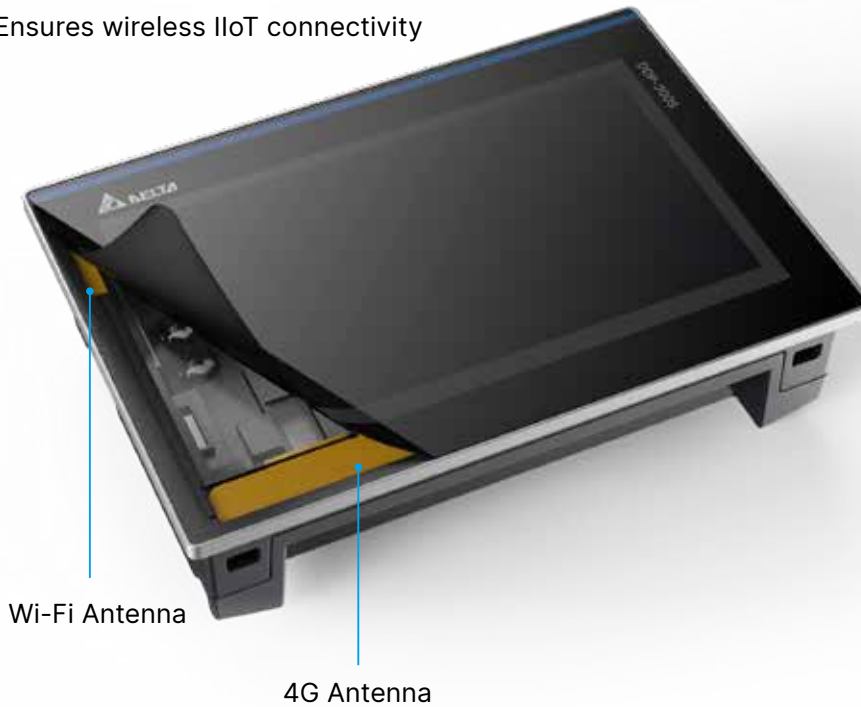
- Supports customizable and tailored UI interfaces for enhanced usability

Keyence	KV1000 /KV3000	Panasonic	FP Series	Eaton	Controller ASCII
	KV Nano		FP Series TCP		Controller RTU
	KV Series TCP		FP2 Series TCP		TCP/IP
	KV/KZ Series		FP7 Series		ELC Series
Allen Bradley	Micro Logix	Inovance	FP7 Series TCP		ASCII-GVX
	SLC 5		GT Series General Purpose		RTU-GVX
	DH485		MODBUS TCP-AM400_800		ASCII-MVX
	EtherNet/IP-ControLogix, CompactLogix		MODBUS-AM400_800		RTU-GVX
	EtherNet/IP-ControLogix, CompactLogix (Tag)		MODBUS TCP-H3U Series		ASCII-NFX
	EtherNet/IP-MicroLogix, SLC		MODBUS-H3U Series		RTU-NFX
Omron	EtherNet/IP-Micro820 (Tag)	XINJE	MODBUS TCP-H5U Series	YASKAWA	MEMOBUS
	OEMAX NX Series PLC		MODBUS-H5U Series		MP300 Series
	FINS-CJ/CP/NJ Series FINS TCP		XINJE XC Series PLC (Modbus)		MP300 Series UDP
	FINS-CJ/NJ/NX Series FINS UDP		XINJE XC Series PLC (Modbus TCP)		SIGMA Series
	CS/CJ/CP1/CV/CVM Series		XINJE XD/XL Series PLC (Modbus)		SIO UDP
YOKOGAWA	CS/CJ/CP1/CV/CVM Series TCP	FANUC	XINJE XD/XL Series PLC (Modbus TCP)		MP3000 TCP
	EtherNet/IP-NJ/NX Series (Tag)		XINJE XD/XL Series PLC (UDP)		MP3000 UDP
JingWei	Textile_M6		MODBUS TCP-FANUC Robot	Fuji Electric	Frenic Inverter
			FANUC iSeries TCP		MICREX SX Series TCP

Hardware Features

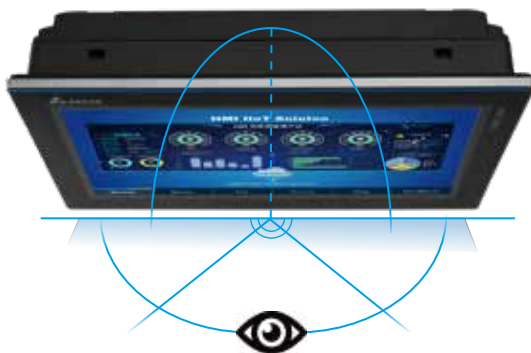
Built-In Wi-Fi & 4G Antenna

Ensures wireless IIoT connectivity



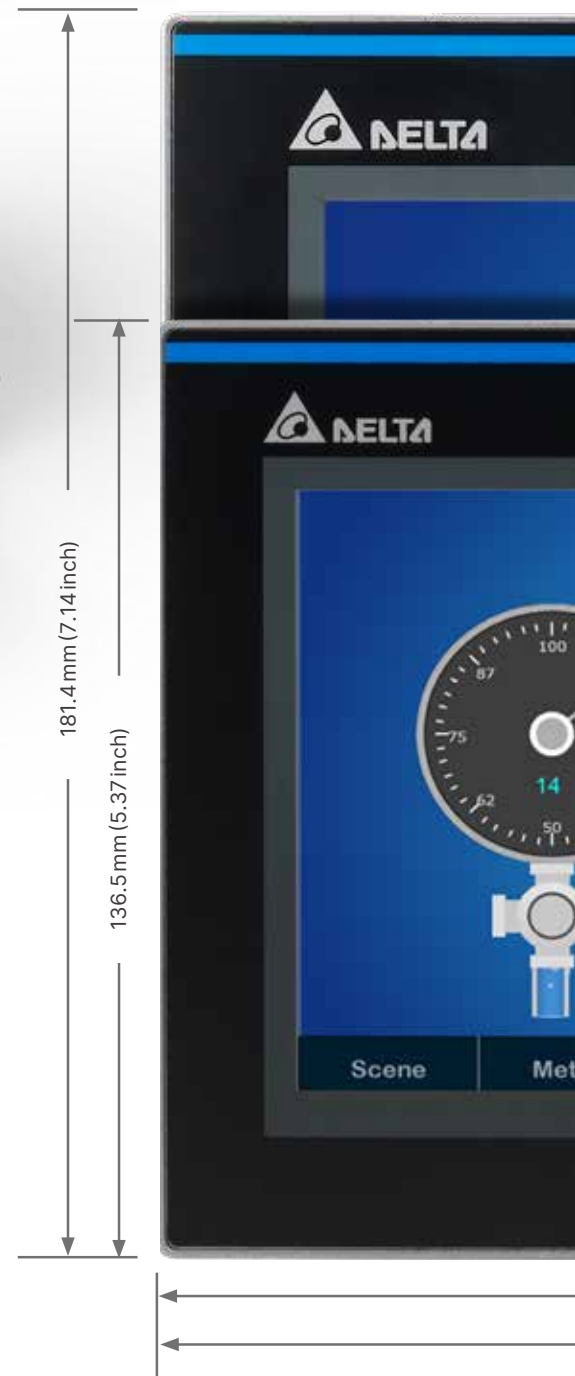
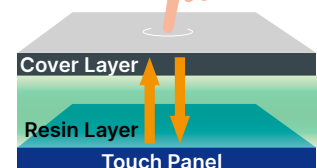
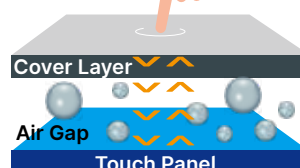
170° Wide Viewing Angle

Whether viewed from above, below, or the side, the display remains clear from any installation position

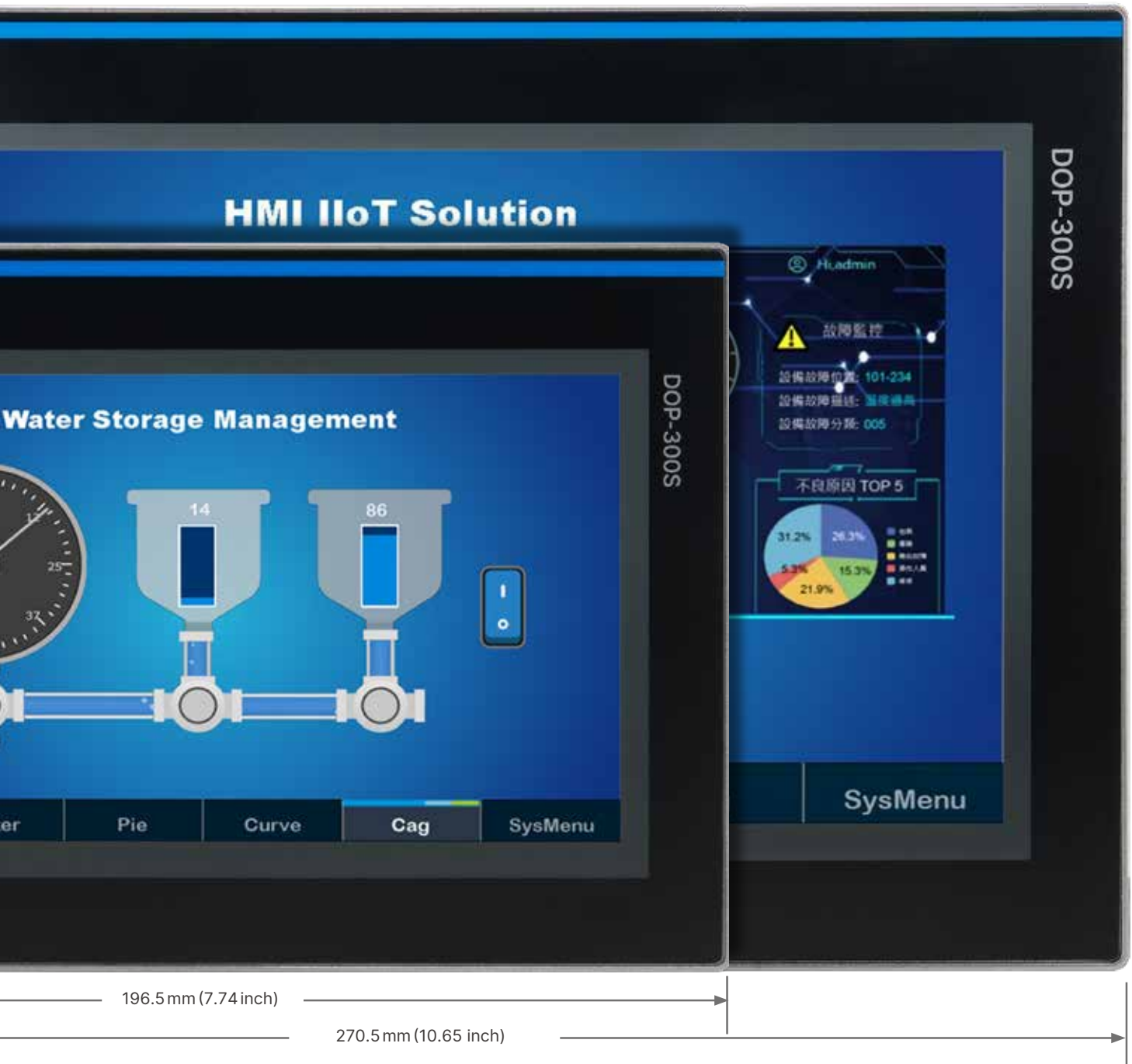


Full Lamination Display

Enhanced touch accuracy and sensitivity

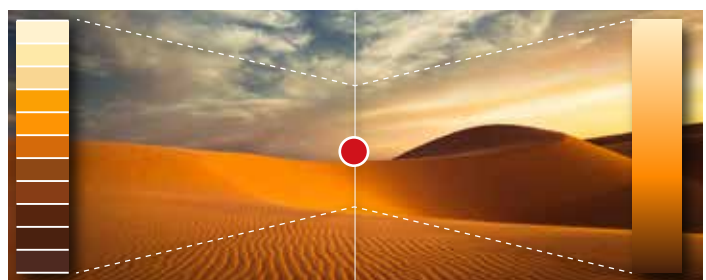


Modernized Design Wide screen with a narrow frame design enhances user comfort



Full-Color Display

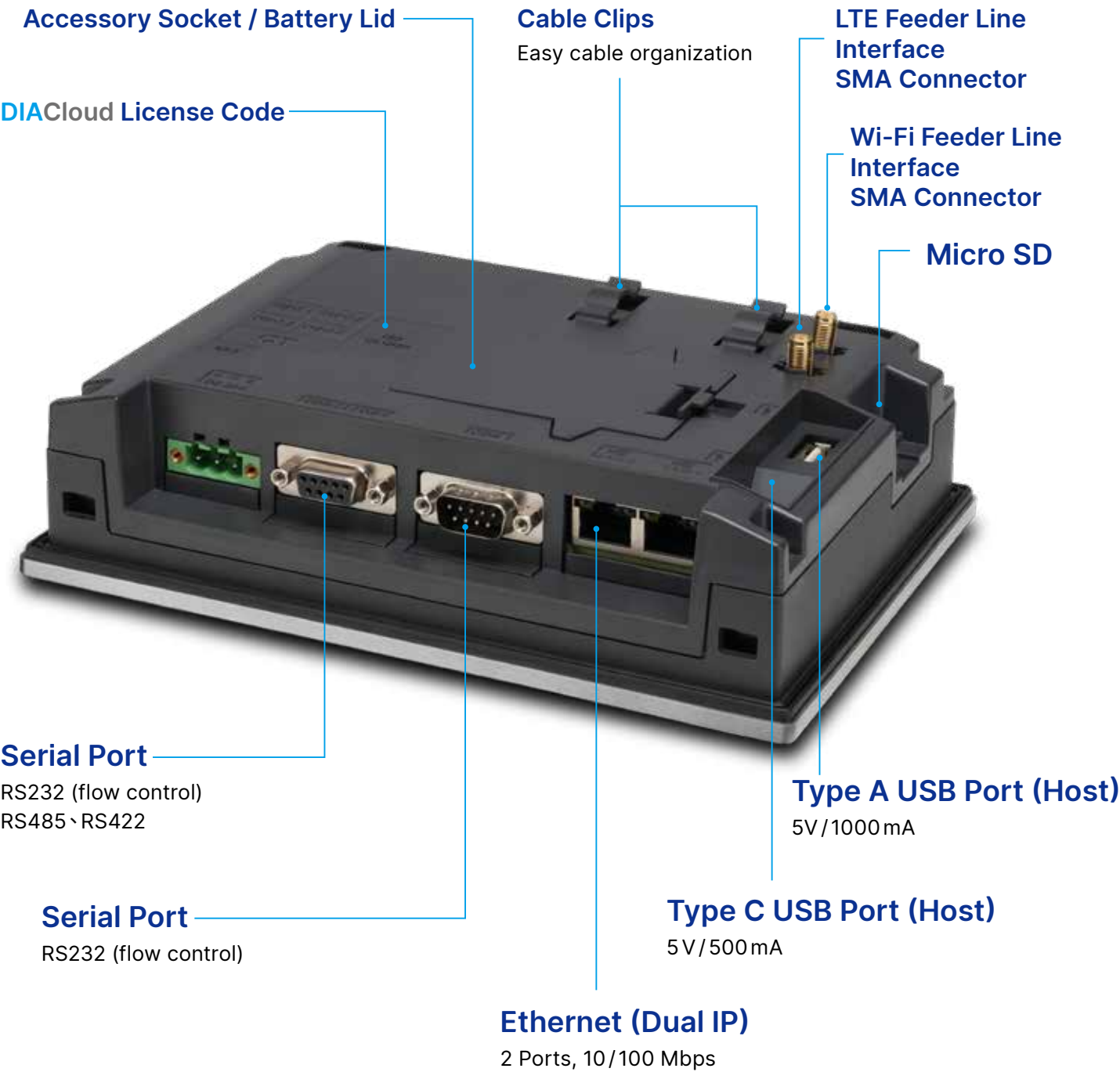
24-bit color with fine precision, delivers vibrant and vivid visuals



Product Features

Multiple Interfaces for Easy Connectivity and Scalability

RF Functions*	Frequency Bands
LTE*	B1/B3/B5/B7/B8/B20/B38/B40/B41
Wi-Fi*	2.4GHz 802.11b/g/n



*To ensure full wireless functionality, Delta wireless network modules are recommended.
Please refer to the Ordering Information on p.58 for details

Wireless Communication Accessories**

Built-in HMI antenna for streamlined setup and fast networking, saves space in your control cabinet

Wi-Fi and Bluetooth Module
DX-MWB

Snap-Fit Cover Design for Easy Assembly and Quick Battery Replacement



Easy Accessory Installation



** For related optional accessories, please refer to the Accessory Ordering Information on p.58

Applications

Applications for Remote Data Acquisition and Control



Compressor Monitoring



Pressurization Motors and Pumping Systems

Industries with High Requirements for Data Accuracy, Traceability, Safety



Medical



Pharmaceutical

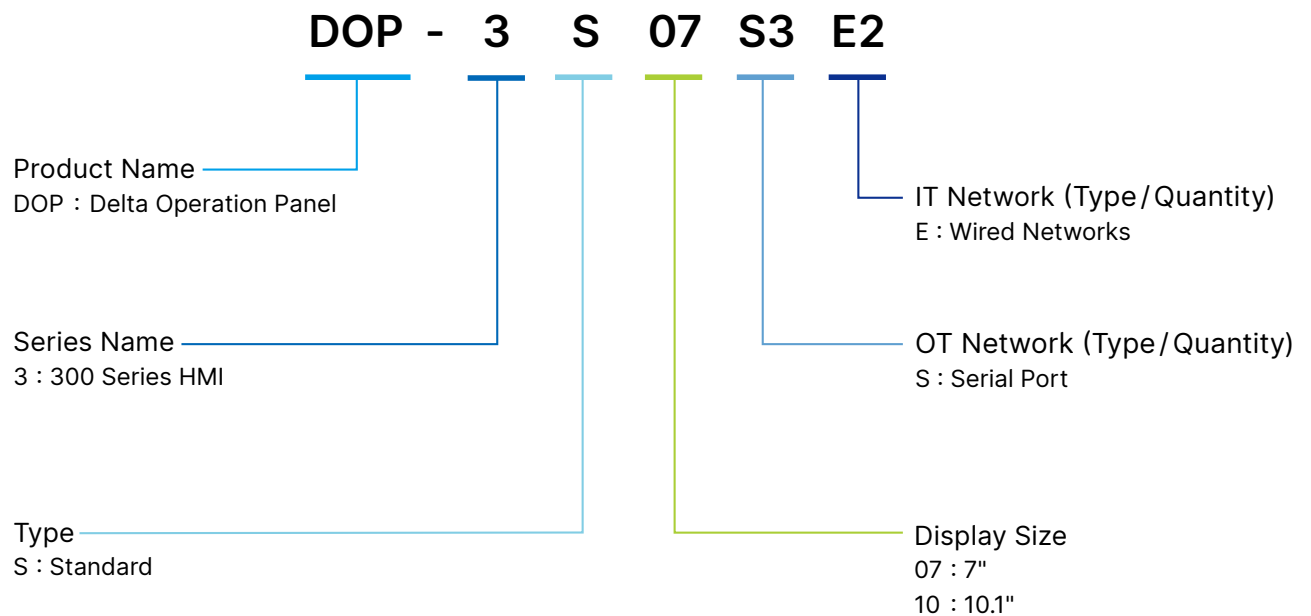


Food Manufacturing



Beverage Manufacturing

DOP-300 Model Name





New

Next-Gen HMI DOP-100L

Comprehensive Upgrades

Compatible with Standard Dimensions

Best Fit for Emerging Markets



- The new DOP-100L Series debuts with DOP-107 L1 / L2 and DOP-110 L1 / L2.
- Developed to meet localized requirements in fast-growing markets*, the DOP-100L Series incorporates multiple enhanced technologies to deliver a solution featuring "high compatibility, high visibility, and high efficiency".

*Available Regions: China, Taiwan, India, Turkey, Southeast Asia, Middle East, and South America.

Introduction

DOP-110L1/L2



DOP-107L1/L2



- **Both 7" and 10.1"** models feature a **built-in Ethernet port** (10/100 Mbps)
- Powered by a **1.2 GHz dual-core** ARM Cortex-A7 processor for smooth screen operation and responsive system performance
- Bottom-exit cable design saves wiring space
- Integrated touch panel and a nameplate with high light transmittance provide a smooth surface and clear, vivid display quality
- **IPS display** provides clear visuals and wide viewing angles
- **L1 panel cutouts** compatible with Delta DOP HMIs; **L2 cutouts** support mainstream market sizes
- Features comprehensive tag-based communication and a user-friendly interface
- VNC Server enables remote HMI monitoring and control
- MQTT and OPC UA Client protocols for IIoT data integration
- Web browsers can collect HMI data via **Web API** to facilitate easy data access and monitoring
- Narrow-bezel design enhances visual clarity and delivers a clean, streamlined appearance

Applications

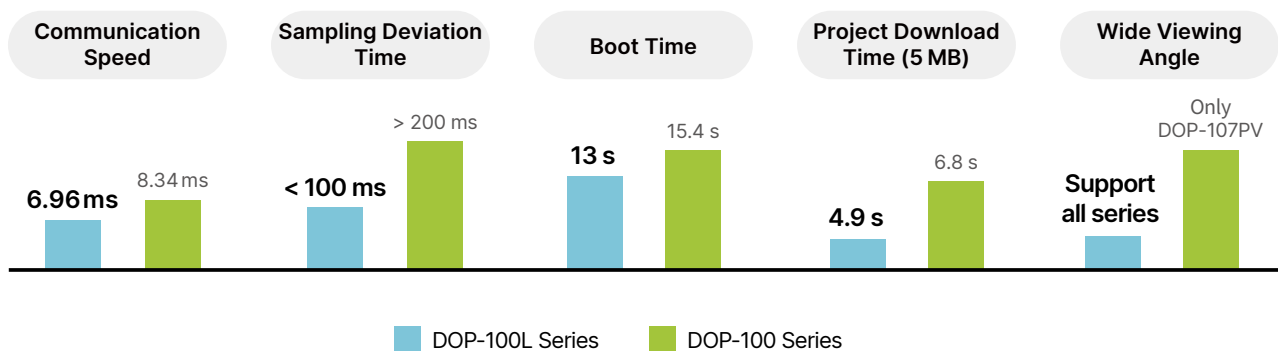
OEM/ODM manufacturing, food packaging, textile and printing, construction equipment, low voltage power distribution control, plastic machinery, machining, logistics, glass processing

Features

- Increased tag utilization
- Higher CPU speed for better performance
- Built-in Ethernet
- Built-in 4G and Wi-Fi (L3/L5 models)
- IPS wide-view display
- Enhanced touch accuracy
- Screen free from refraction or ripple effects
- Supports DIAWebDesigner for remote dashboard monitoring (L3/L5 models)

DOP-100 Comparison Table

Items	DOP-100	DOP-107L1/L2 DOP-110L1/L2 
CPU	Single Core 800 MHz	Dual Core 1.2 GHz
Ethernet Port	Some models	Built-in
Display	TFT	IPS Full Lamination Display
Viewing Angle	Standard	Wide Viewing Angle
Resolution	800 x 480	1,024 x 600
Front Panel	Glass + Air Gap	Full Lamination
Cutout Size	Delta Size	Delta and Common size
RT Patch Support	N/A	Yes
Supply Availability	Overseas	Local Supply, Stable Delivery



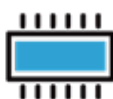
Hardware Features

High Performance



Dual-Core
1.2 GHz CPU

Capacity



256MB RAM /
256MB ROM



Mechanical Design

- Supports standard panel cutout sizes
- New exterior design
- Bottom cable outlet

Display



IPS Wide
Viewing Angle



Full
Lamination

Connectivity



Built-in
Ethernet Port

Software & Firmware Features



Data Integration

- Secure, customizable data
- Data synchronized with controllers



Remote Monitoring

- Supports VNC server to monitor HMI screens
- Flexible web interface, allowing HMI data monitoring via Web API



Tag Sharing & Communication

- Efficient search of all address tags
- Enhances project readability and maintainability
- Supports integration with DIASudio development platform for flexible tag sharing



Remote Notification & Network Printing

- Ethernet printer support for real-time printing
- Remote connectivity ensures timely information delivery



Security & Data Integrity

- Electronic records, storage, and management to ensure data integrity and reliability



File Manager & Image Viewer

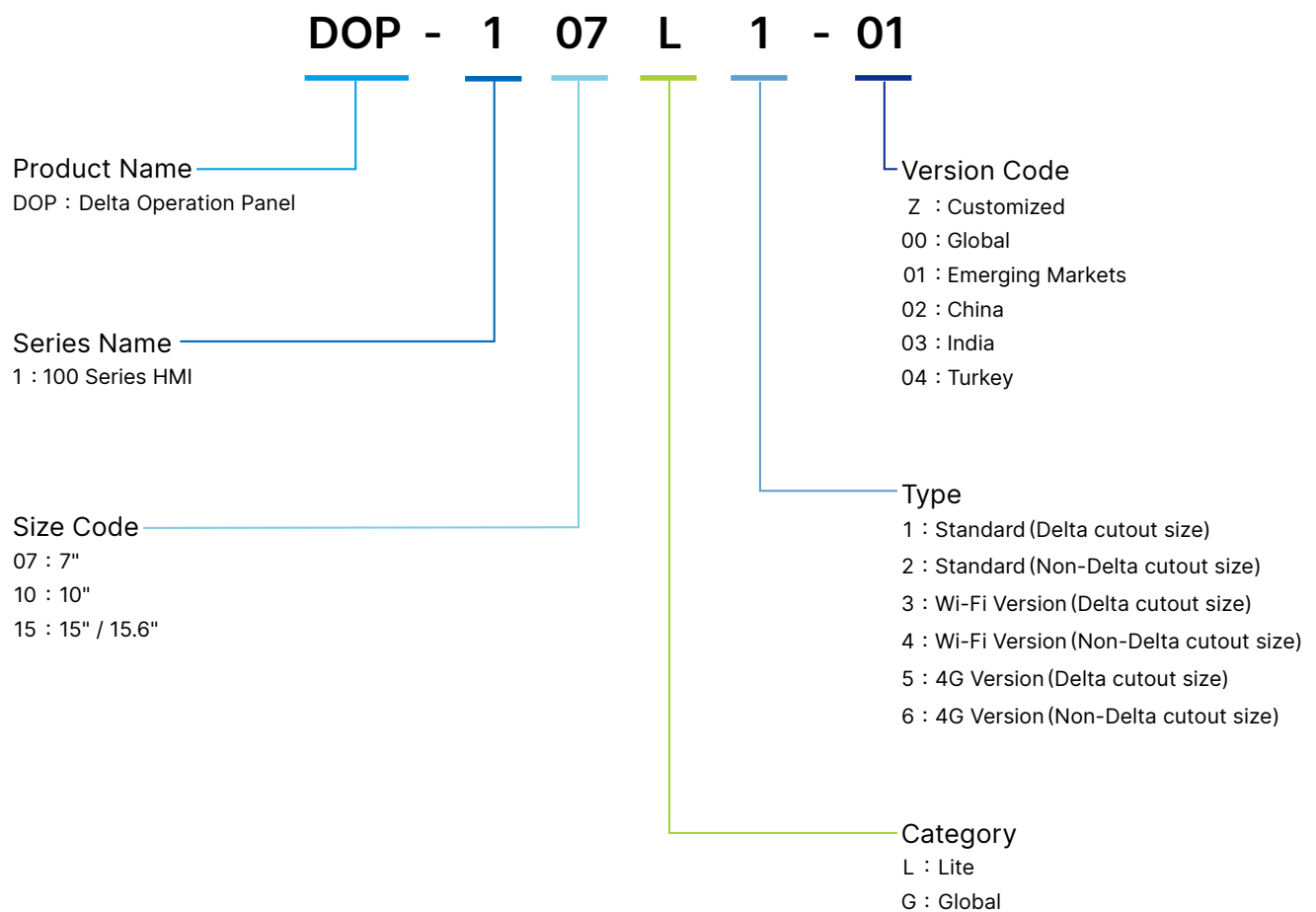
- Supports various image and document formats to meet industrial application needs
- Convenient interface for integrated data management



User-Friendly Interface

- Clear System Configuration, intuitive UI for easy operation

DOP-100L / G Model Name





DOP-100 Special Application Models

Breaking Boundaries, Bringing HMI to Every Corner



For applications beyond standard HMI capabilities, the DOP-100 Special Application Series provides a more flexible solution.

This series extends HMI capabilities into diverse application types, including Handheld (high mobility), Outdoor (harsh environments), and Multimedia (enhanced visualization) models, meeting the demands of various operational scenarios.

The DOP-100 Special Series enables a consistent HMI experience across on-machine, outdoor, and multimedia applications, realizing "HMI interaction, everywhere."

High-Durability HMI

The Outdoor HMI (DOP-107WVCS) ensures clear visibility and stable operation in harsh environments such as direct sunlight, extreme temperature and humidity, rain, dust, and continuous vibration.



Hardware Features



IP66 Water & Dust Resistance

Dustproof and resistant to high-pressure water jets, suitable for outdoor applications



Wide Operating Temperature Range

Reliable operation in extreme heat and cold (-30°C to 70°C)



High Brightness (1000 cd/m²)

Clear and readable even in direct sunlight



Safety Certifications

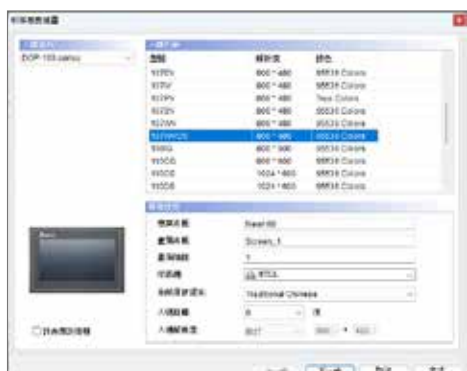
CE and UL certified, compliant with industry standards



Full Lamination Technology

Reduces glare and enhances durability while maintaining readability in high-brightness environments

Software and Compatibility



DIAScreen Advantages

The DOP-107WVCS works smoothly with DIAScreen for smooth data monitoring and rapid response even under extreme temperatures

HMI Programming Software DIAScreen

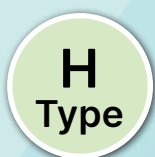
- Seamless Integration – Supports multiple communication protocols such as MQTT, OPC UA, IFTTT, and enables connectivity with WhatsApp and Line for smart IIoT integration
- User-Friendly – Simplified operation and monitoring
- Reliable Performance – Provides firmware optimized for harsh environments

Ideal for Outdoor Applications

- EV Charging Stations – High weather resistance and excellent visibility
- Agriculture – Resistant to dust, moisture, and temperature variations
- Construction – Durable and impact-resistant
- Car Wash Equipment

Handheld HMI

The DOP-107H Series supports large machines, long production lines, and applications requiring flexible viewing angles, such as robot arm teaching points. Operators can carry the HMI to the optimal viewing angle for operation, significantly enhancing setup efficiency.



Features



Embedded Linux System

Open system for flexible and stable program development



DIAScreen

Operation software with powerful features and intuitive interface



Operating Temperature 0°C ~ 50°C

Applicable in various industrial operating environments



CE Certified

Certified to comply with CE standards



Ethernet Communication

Connects to a master device or PLC



Communication Isolation

Serial Communication Port / Ethernet Port with built-in isolation circuits enhance communication stability



PDF and TXT Reader

PDF and TXT files supported



User-Friendly Interface

Intuitive operation interfaces



LUA Language

Simple and easy structural programming language to meet various demands



Pressing Times > 10,000,000

Effective pressing times validated by strict endurance tests



IP54 Protection Rating

Protects the HMI from rain and dust



Remote Diagnostics

Collects and troubleshoots issues remotely



Power Isolation

Protects the HMI from accidental surge interference



FTP/eMail Supported

Simple data transmission and real-time status update



QR Code Scanning

Generates QRcodes for mobile device identification



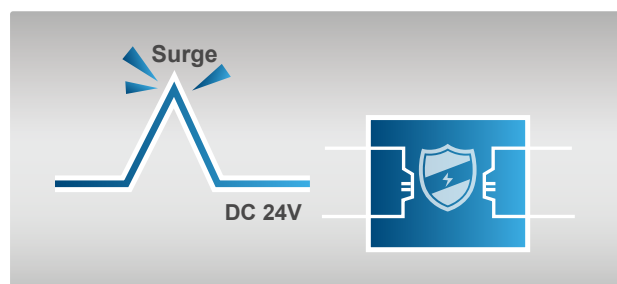
GIF Graphic

Easy settings to play vivid GIF elements

Robust Hardware

Power Isolation

- Built-in power isolation circuits protect against unexpected external surge interference



Isolated Communication Interface

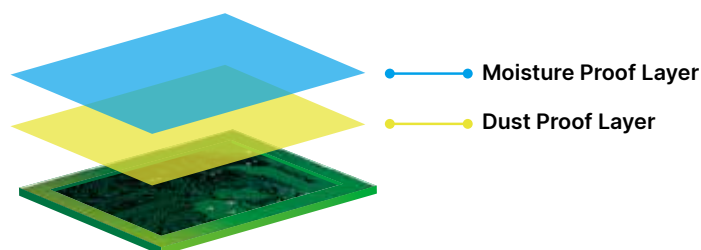
- Built-in isolation protection circuits for both serial and Ethernet ports

Stable and reliable operation for integration with PLCs, servo drives, and inverters against differences in noise caused by grounding configurations



PCB Coating

- Protective coatings enhance durability against moisture and dust resistance



Model	Power Isolation	Serial Communication Port Isolation	Ethernet Isolation
Advanced HMI (Multimedia Type)			
DOP-112/115 MX	Yes	Yes	Yes
Advanced HMI			
DOP-103WQ/107WV/110WS	Yes	Yes	Yes
DOP-112/115 WX	Yes	Yes	Yes
Handheld HMI			
DOP-107H	Yes	Yes	Yes
Standard HMI (Ethernet Type)			
DOP-107IV	Yes	Yes	Yes
DOP-108IG/110IG	Yes	Yes	Yes
DOP-110IS	Yes	Yes	Yes
DOP-107EV	Yes	Yes	Yes
DOP-107EG	Yes	Yes	Yes
DOP-107PV	No	No	Yes
Standard HMI			
DOP-105CQ	Yes	No	No
DOP-107CV	Yes	No	No
DOP-110CS	Yes	No	No
DOP-110CG	Yes	No	No
Basic HMI (Ethernet Type)			
DOP-103DQ	Yes	Yes	Yes
DOP-107DV	No	No	Yes
Basic HMI			
DOP-103SQ	No	No	No
DOP-103BQ	No	No	No
DOP-107BV	No	No	No

Advanced HMI

The Delta DOP-112 (12-inch) and DOP-115 (15-inch) are designed for complex monitoring in high-end equipment, delivering a large high-resolution display for rich data visualization.

With superior video playback and real-time IP camera monitoring, operators can quickly identify issues and eliminate blind spots.



Camera & Video Play

Multimedia Functions



Analog Camera

Supports external camera via analog signals, suitable for capturing fast and short-distanced images

Applications: [Textiles](#) | [Pharmaceutical](#) | [Rubber & Plastics](#)



IP Camera

Supports IP Camera via Ethernet, suitable for capturing remote and wide-range images

Applications: [Packaging](#) | [Logistics](#) | [Mining](#) | [Power Generation](#)



VGA Input

Displays images from external devices such as machine vision systems, PCs or notebooks



Video Play

Views mpeg4 files captured by analog or IP camera from internal storage or USB disk/SD card



Event Trigger

Responds to preset conditions to capture images and archive as mpeg4 files for troubleshooting and analysis

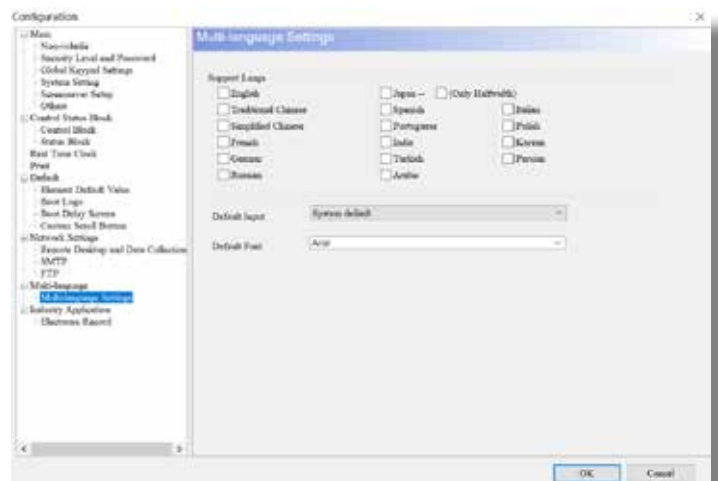


Multi-Language Input for Localization

The Advanced HMI supports multilingual inputs for:

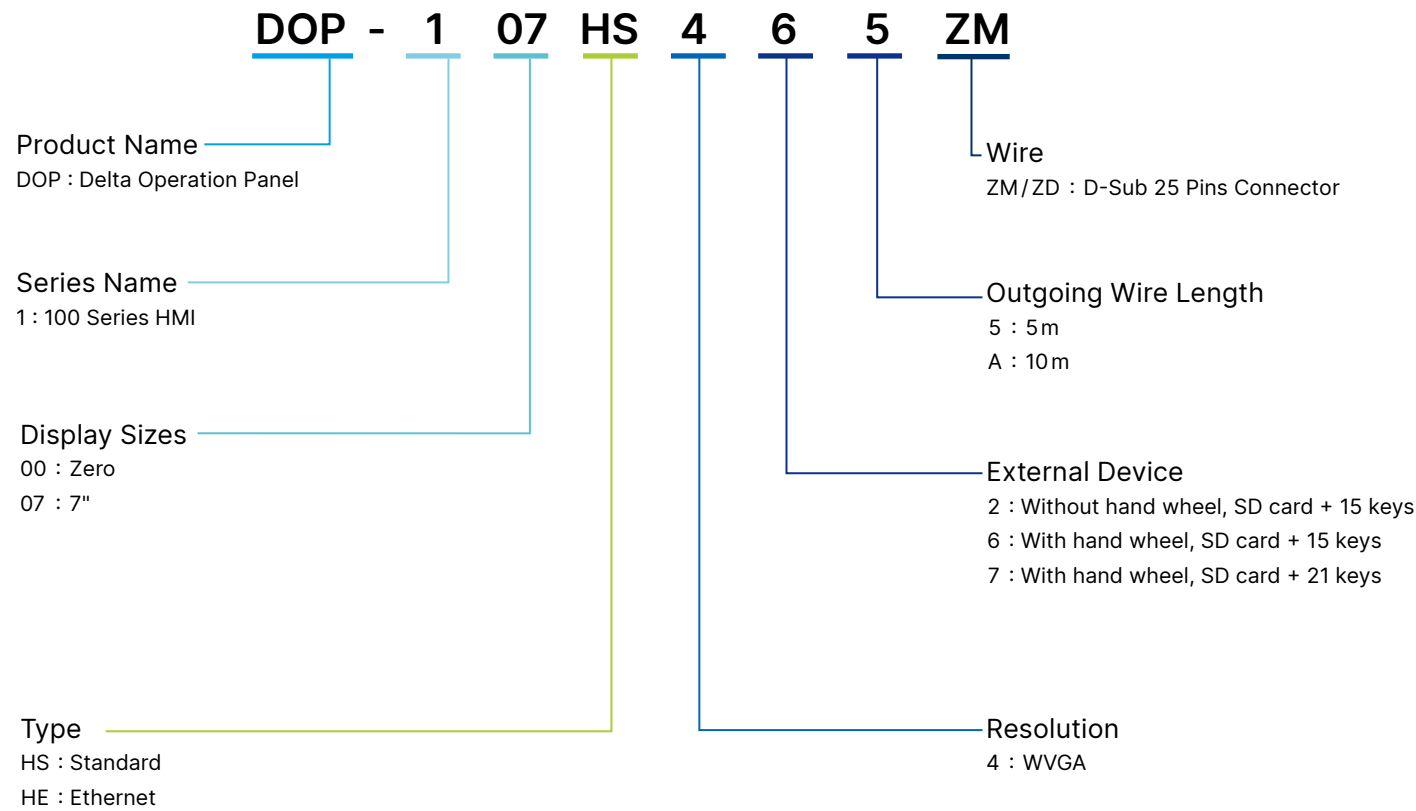
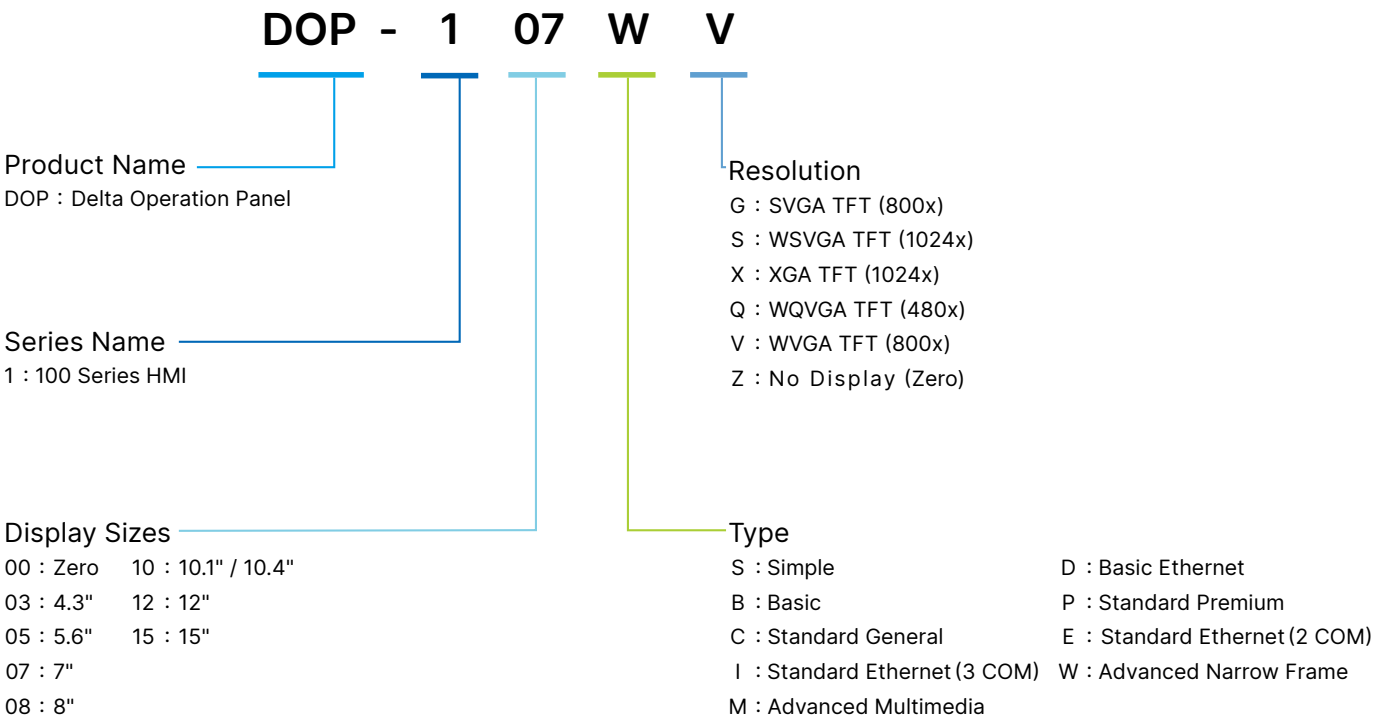
- Recipe Name (ENRCPG)
- Recipe Group Name (ENRCPNONAME)
- Recipe Content (Char)
- User Name

Supports 16 Languages: English, Traditional Chinese, Simplified Chinese, French, German, Russian, Japanese (Fullwidth or Halfwidth), Korean, Spanish, Portuguese, Hindi, Turkish, Arabic, Persian, Italian and Polish



M2M communication and data transmission via OPC UA.
Communication among different manufacturers' machines is enabled through information modeling.

DOP-100 Model Name



Delta HMI Software & Firmware

Features		DOP-100F	DOP-100	DOP-100L	DOP-100G coming soon	DOP-300S
Cloud	Remote Access		●	L3/L5 ● coming soon	●	●
	Dashboard			L3/L5 ● coming soon		●
Functions	Web Monitoring		●	●	●	●
	WebAPI		●	●	●	●
	Video Streaming		● DOP-112MX / DOP-115MX			
	VNC Server		●	●	●	●
	FTP File Transfer		●	●	●	●
	Wi-Fi Connectivity		●	L3 ● coming soon	●	●
	4G Connectivity		●	L5 ● coming soon	●	●
	Encrypted Communication		●	●	●	●
	Ethernet Printer		●	●	●	●
	Installment	●	●	●	●	●
	VNC Viewer				●	●
	PDF Reader		●	●	●	●
Object	Video Player		● DOP-112MX / DOP-115MX			
	IP Camera		● DOP-112MX / DOP-115MX			
	Alarm Event Gantt Chart				●	●
	RFID Login		● DOP-100W/M		●	●
	MQTT Platform Integration (AWS, Azure, Aliyun)		● AWS, Azure	● AWS, Azure	● AWS, Azure, Aliyun	● AWS, Azure, Aliyun
IIoT	OPC UA Client		●	●	●	●
	OPC UA Server		● DOP-100W/M		●	●
	Notification (LINE / WeChat / WhatsApp / IFTTT)		●	●	●	●
Driver	SIEMENS MPI	●	●	●	●	●
	Digital Memory Link	●	●	●	●	●

Specifications

DOP-300

Specifications		Cloud Applications	
		IIoT	
		DOP-3S07S3E2	DOP-3S10S3E2
Display	Size	7"	10.1"
	Quality (Resolution, Color)	+++	+++
Operation Performance	Touch Operation	++	++
	IT (Ethernet)	2	2
Connectivity	OT (Serial, USB)	+++	+++
	I/O	No	No
	Data Backup	+++	+++
Data Processing	External Storage	+++	+++
Environmental Specifications	Environmental Resistance	++	++
	Certificates (CE / UL)	++	++
Features	IT Connectivity (MQTT / OPC UA / Email)	+	+
	Connectivity DIACloud	No	Yes
	Dashboard	Yes	Yes
	Supports Wi-Fi Dongle	Yes (Works with DX-MWB-01N)	

DOP-100 New

Specifications		Basic Applications	Connected Applications	
		Combat	Standard	
		DOP-107F8-02*	DOP-107L1/L2-01	DOP-110L1/L2-01
Display	Size	7"	7"	10.1"
	Quality (Resolution, Color)	+	++	++
Operation Performance	Touch Operation	+	++	++
	IT (Ethernet)	0	1	1
Connectivity	OT (Serial, USB)	+	+	+
	I/O	No	No	No
	Data Backup	+	++	++
Data Processing	External Storage	+	+	+
Environmental Specifications	Environmental Resistance	+	+	+
	Certificates (CE / UL)	+	+	+
Features	IT Connectivity (MQTT / OPC UA / Email)	No	+	+
	Connectivity DIACloud	No	No	
	Dashboard	No	No	
	Supports Wi-Fi Dongle	No	No	

*Available in China only

DOP-100

Specifications		Basic Applications					
		Economical	Entry-level			Basic	
		DOP-107SV	DOP-103SQ	DOP-103BQ	DOP-107BV	DOP-107CV	DOP-110CS
Display	Size	7"	4.3"	4.3"	7"	7"	10.1"
	Quality (Resolution, Color)	+	+	+	+	+	+
Operation Performance	Touch Operation	+	+	+	+	+	+
Connectivity	IT (Ethernet)	0	0	0	0	0	0
	OT (Serial, USB)	+	+	+	+	++	++
	I/O	No					
	Data Backup	+	++	++	++	++	++
Data Processing	External Storage	+	+	+	+	+	+
Environmental Specifications	Environmental Resistance	+	+	+	+	+	+
	Certificates (CE / UL)	+	++	++	++	++	++
Features	IT Connectivity (MQTT / OPC UA / Email)	No					
	Connectivity DIACloud	No					
	Dashboard	No					
	Supports Wi-Fi Dongle	No	Yes (Works with DX-MWB-01)				

DOP-100

Specifications		Others		
		Outdoor	Handheld	
		DOP-107WVCS	DOP-107HE	DOP-107HS
Display	Size	7"	7"	7"
	Quality (Resolution, Color)	++++	+	+
Operation Performance	Touch Operation	++	+	+
Connectivity	IT (Ethernet)	1	1	0
	OT (Serial, USB)	+++	0	1
	I/O	No	No	No
	Data Backup	+++	+	+
Data Processing	External Storage	+++	+	+
Environmental Specifications	Environmental Resistance	+++	+	+
	Certificates (CE / UL)	++	++	++
Features	IT Connectivity (MQTT / OPC UA / Email)	+	+	No
	Connectivity DIACloud	No	No	No
	Dashboard	No	No	No
	Supports Wi-Fi Dongle	No		

Specifications

DOP-100

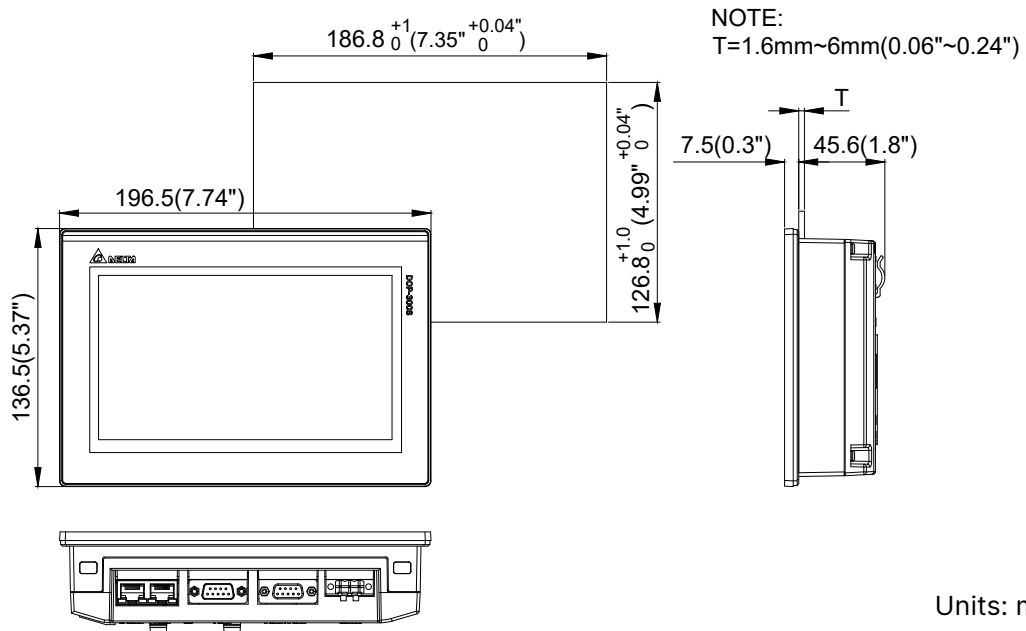
Specifications		Connected Applications							
		Standard							
		DOP-103DQ	DOP-107DV	DOP-110DS	DOP-107EV	DOP-107EG	DOP-107PV	DOP-108IG	DOP-110IS
Display	Size	4.3"	7"	10.1"	7"	7"	7"	8"	10.1"
	Quality (Resolution, Color)	+	+	+	+	+	++	+	+
Operation Performance	Touch Operation	+	+	+	+	+	++	+	+
Connectivity	IT (Ethernet)	1	1	1	1	1	1	1	1
	OT (Serial, USB)	+	+	+	++	++	+	++	++++
	I/O	No							
	Data Backup	++	++	++	++	++	++	++	++
Data Processing	External Storage	+	+	+	+	++	+	+	++
Environmental Specifications	Environmental Resistance	+	+	+	+	+	+	+	+
	Certificates (CE/UL)	++	++	++	++	++	++	++	++
Features	IT Connectivity (MQTT / OPC UA / Email)	+	+	+	+	+	+	+	+
	Connectivity DIACloud	No							
	Dashboard	No							
	Supports Wi-Fi Dongle	Yes (Works with DX-MWB-01)							

DOP-100

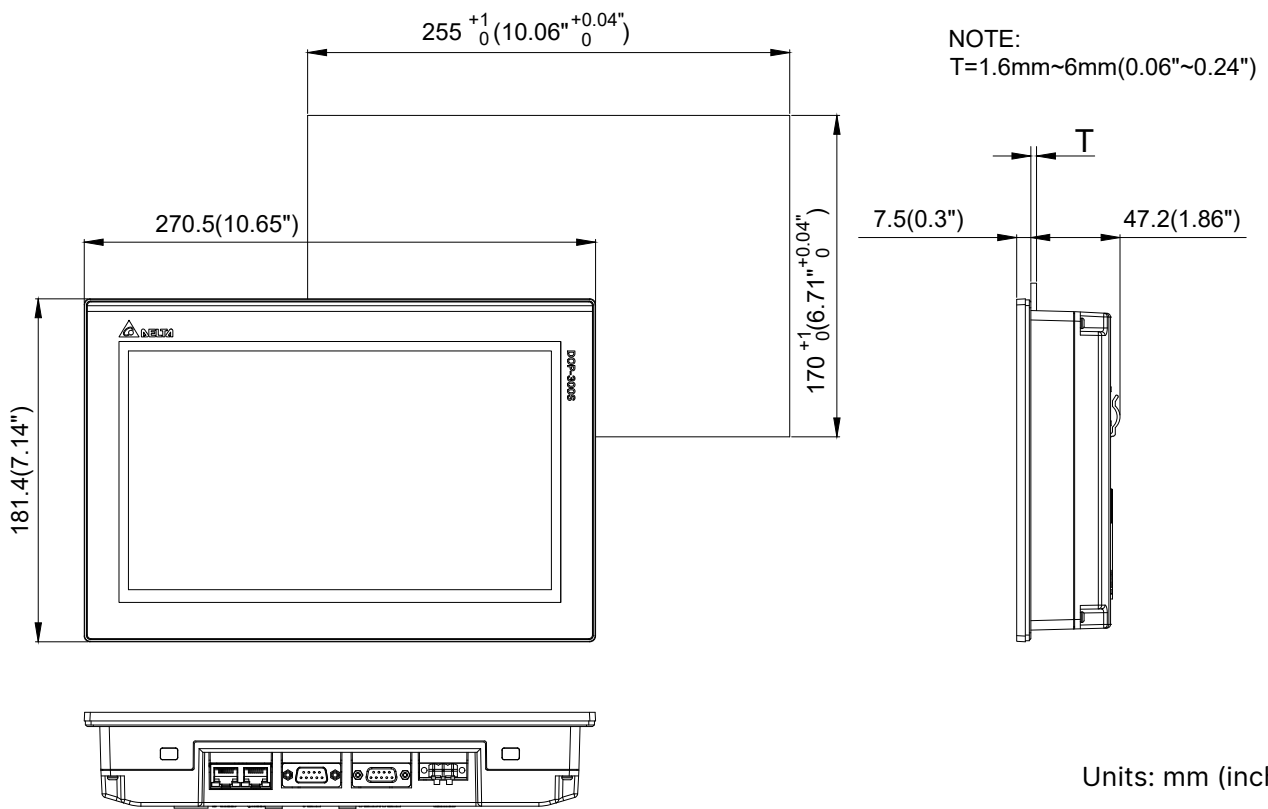
Specifications		Connected Applications						
		Standard						
		DOP-103WQ	DOP-107WV	DOP-110WS	112MX	112WX	115MX	115WX
Display	Size	4.3"	7"	10.1"	12"	12"	15"	15"
	Quality (Resolution, Color)	+	+	+	++	++	++	++
Operation Performance	Touch Operation	+	+	+	++	++	++	++
Connectivity	IT (Ethernet)	1	1	1	2	2	2	2
	OT (Serial, USB)	+	++	++	+++	+++	+++	+++
	I/O	No						
	Data Backup	++	+++	++	+++	+++	+++	+++
Data Processing	External Storage	+	+	+	++	++	++	++
Environmental Specifications	Environmental Resistance	+	+	+	+	+	+	+
	Certificates (CE / UL)	++	++	++	++	++	++	++
Features	IT Connectivity (MQTT / OPC UA / Email)	+	+	+	+	+	+	+
	Connectivity DIACloud	No						
	Dashboard	No						
	Supports Wi-Fi Dongle	Yes (Works with DX-MWB-01)						

Dimensions

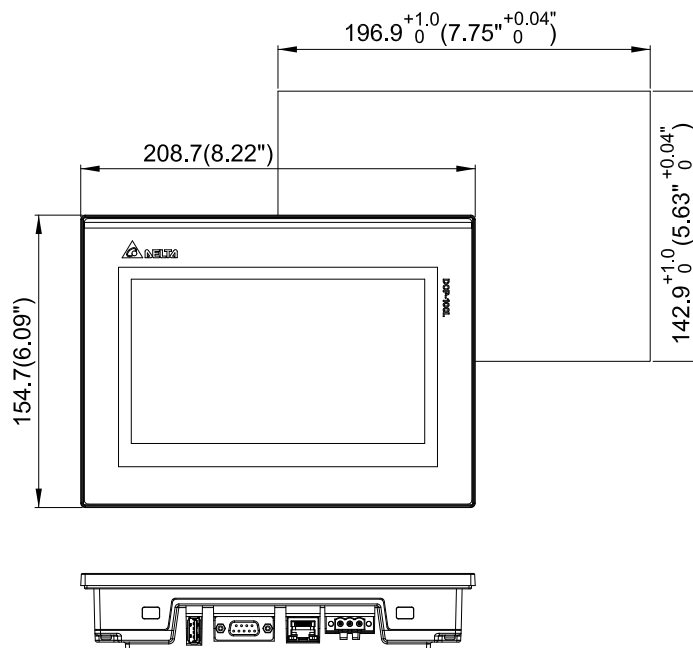
DOP-3S07S3E2



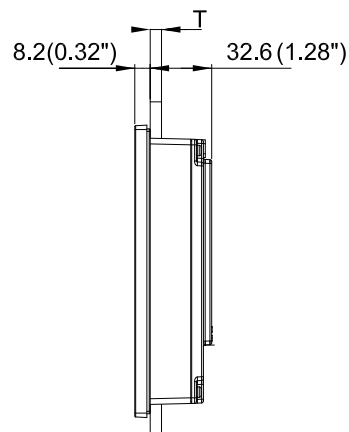
DOP-3S10S3E2



DOP-107L1-01

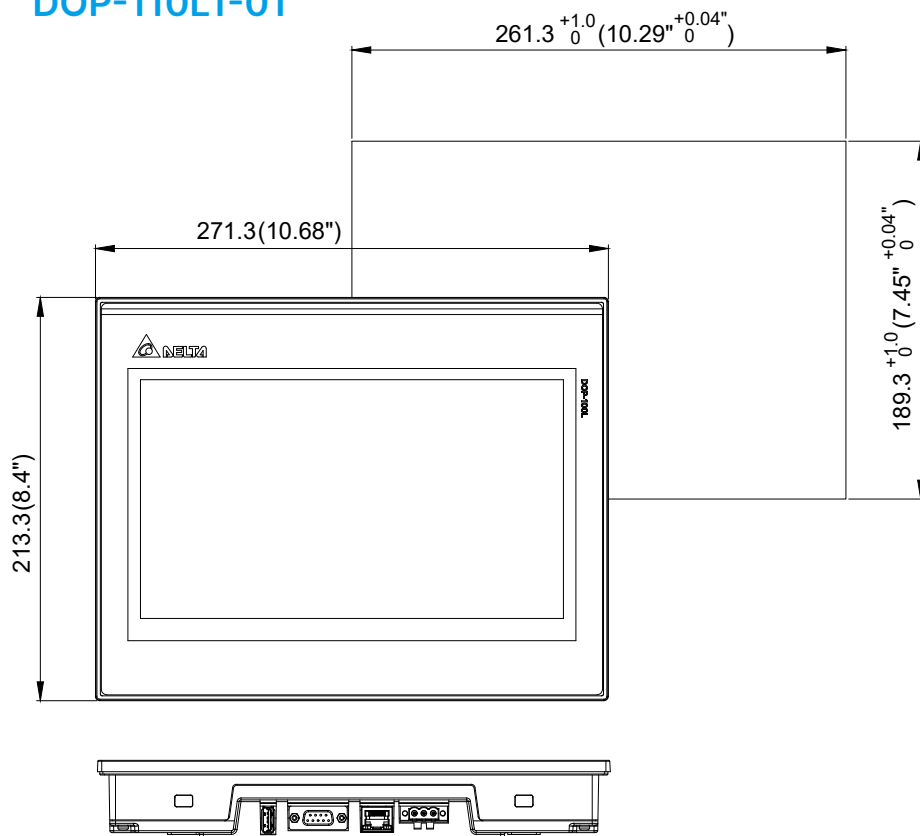


NOTE:
T=1.6 mm~6 mm(0.06"~0.24")

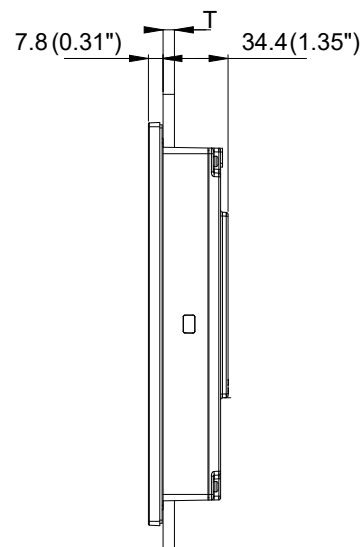


Units: mm (inch)

DOP-110L1-01



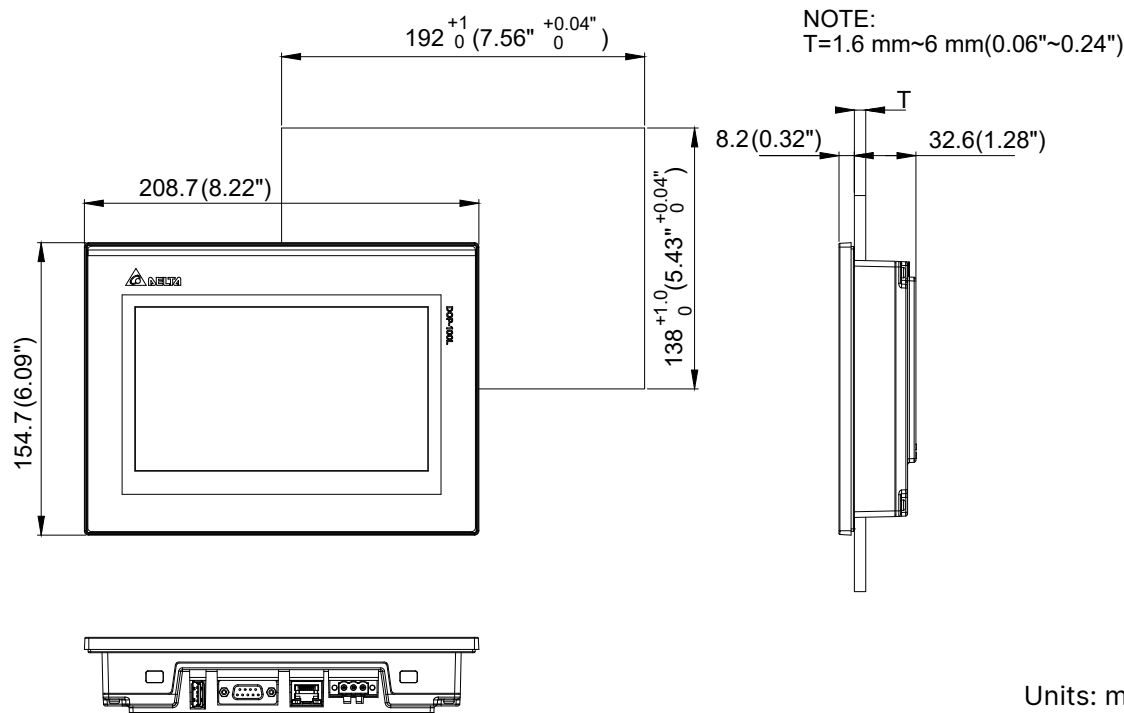
NOTE:
T=1.6 mm~6 mm(0.06"~0.24")



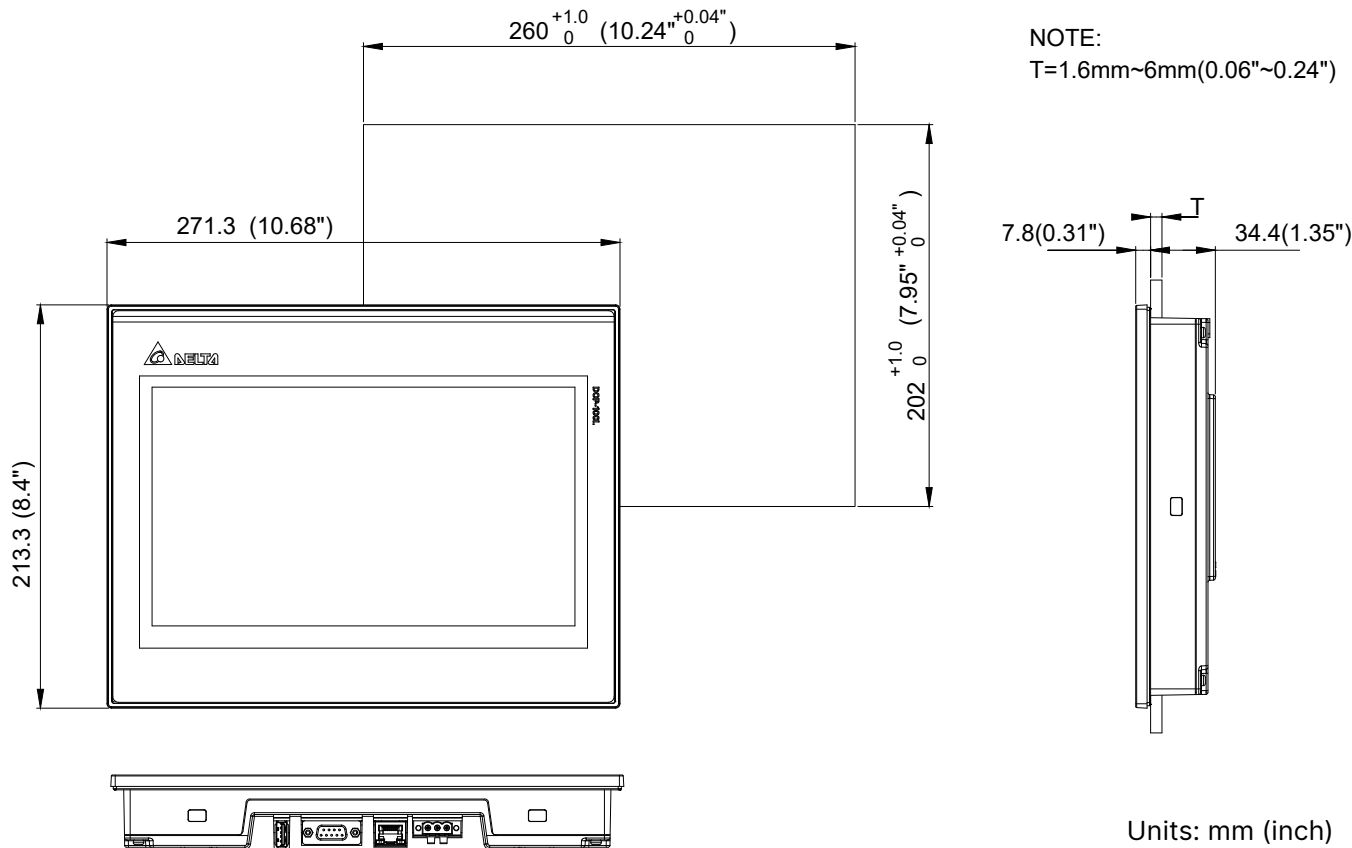
Units: mm (inch)

Dimensions

DOP-107L2-01

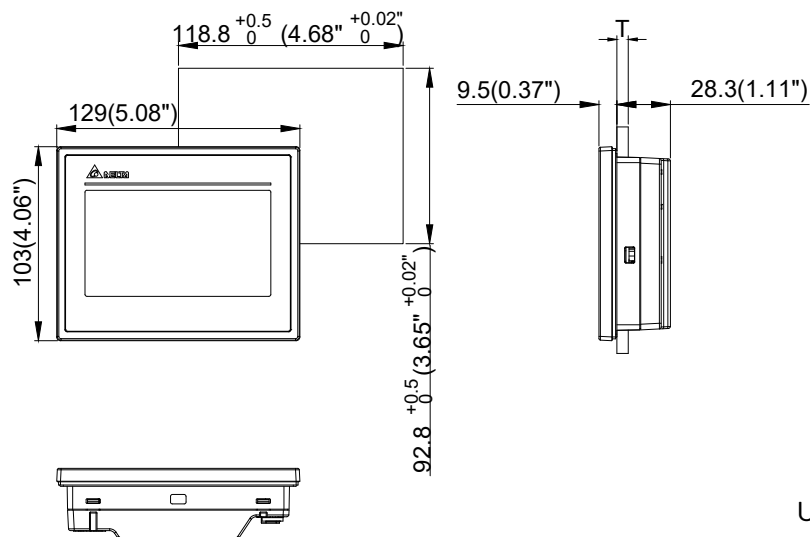


DOP-110L2-01



DOP-103SQ

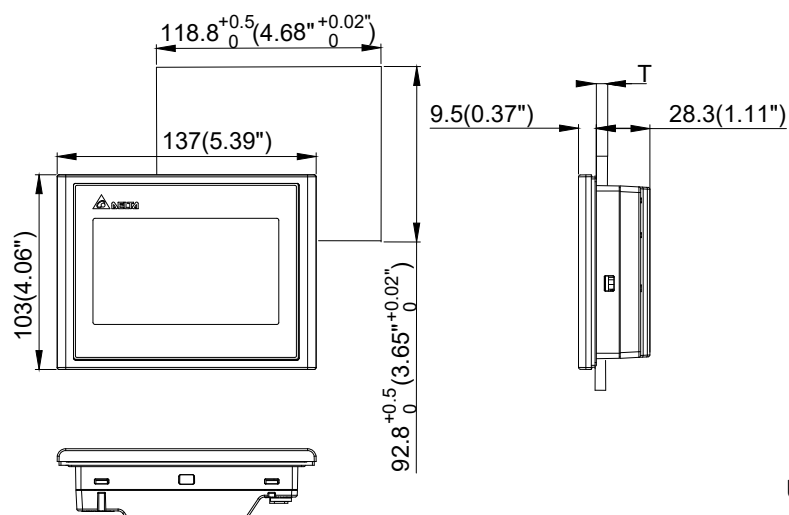
NOTE:
T=1.6mm(0.063")~3mm(0.12")



Units: mm (inch)

DOP-103BQ

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

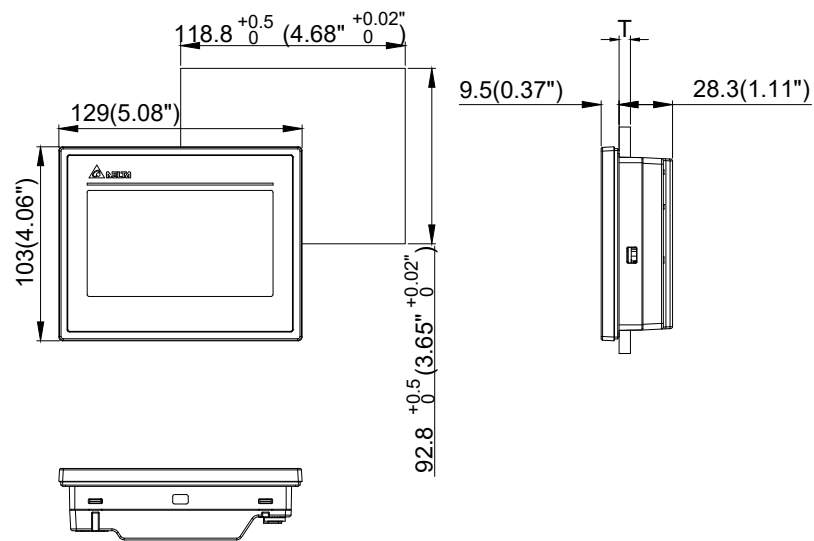


Units: mm (inch)

Dimensions

DOP-103DQ

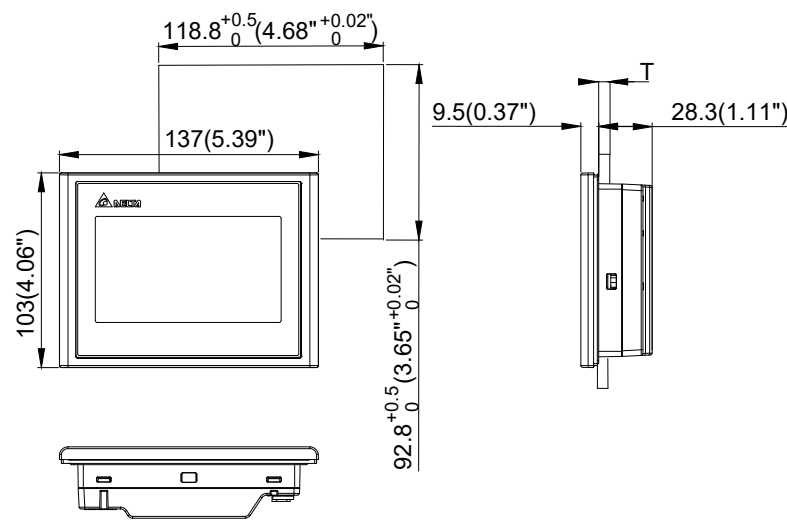
NOTE:
T=1.6mm(0.063")~3mm(0.12")



Units: mm (inch)

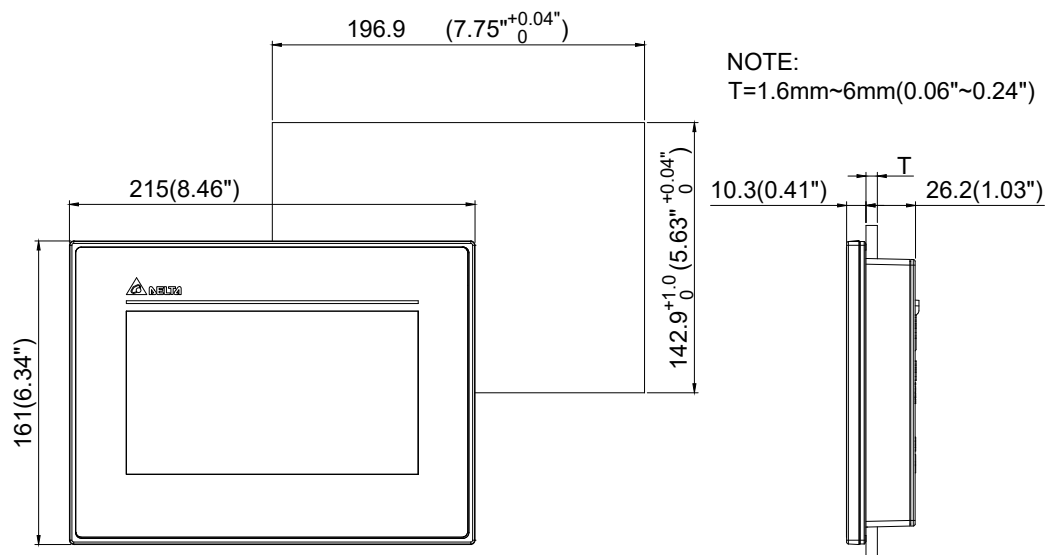
DOP-103WQ

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



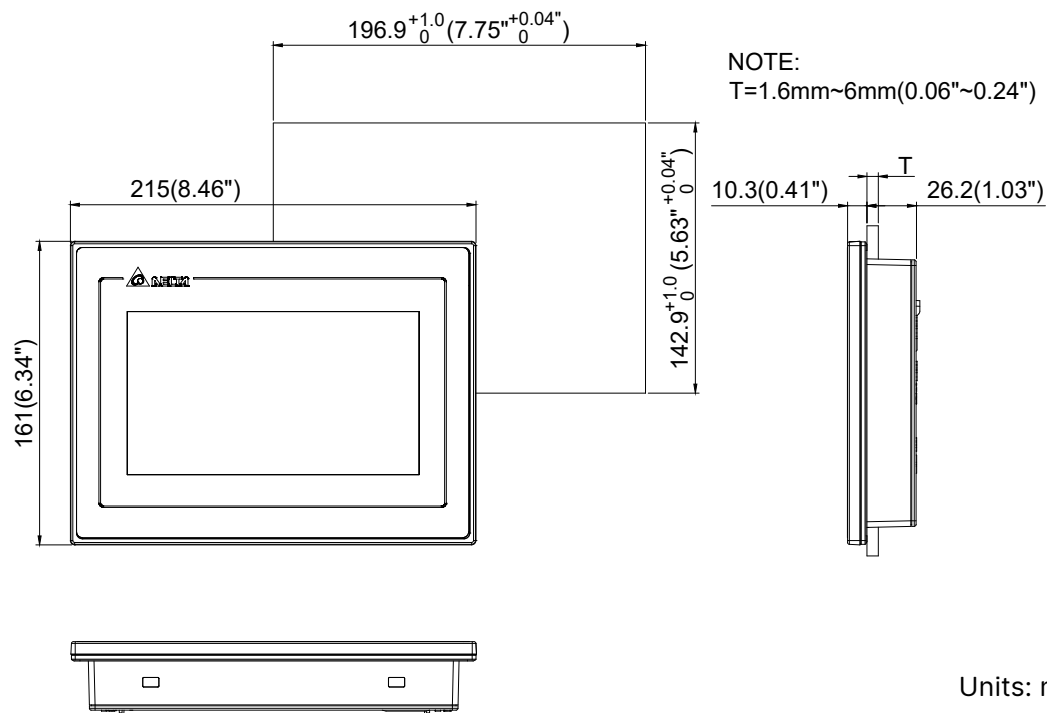
Units: mm (inch)

DOP-107SV



Units: mm (inch)

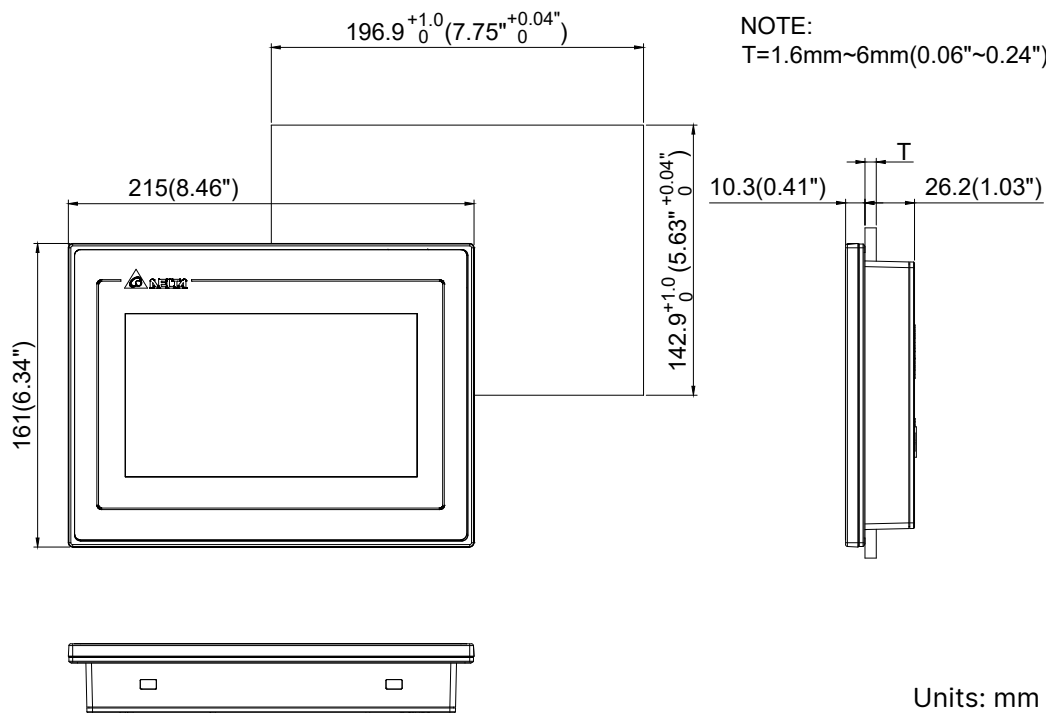
DOP-107BV



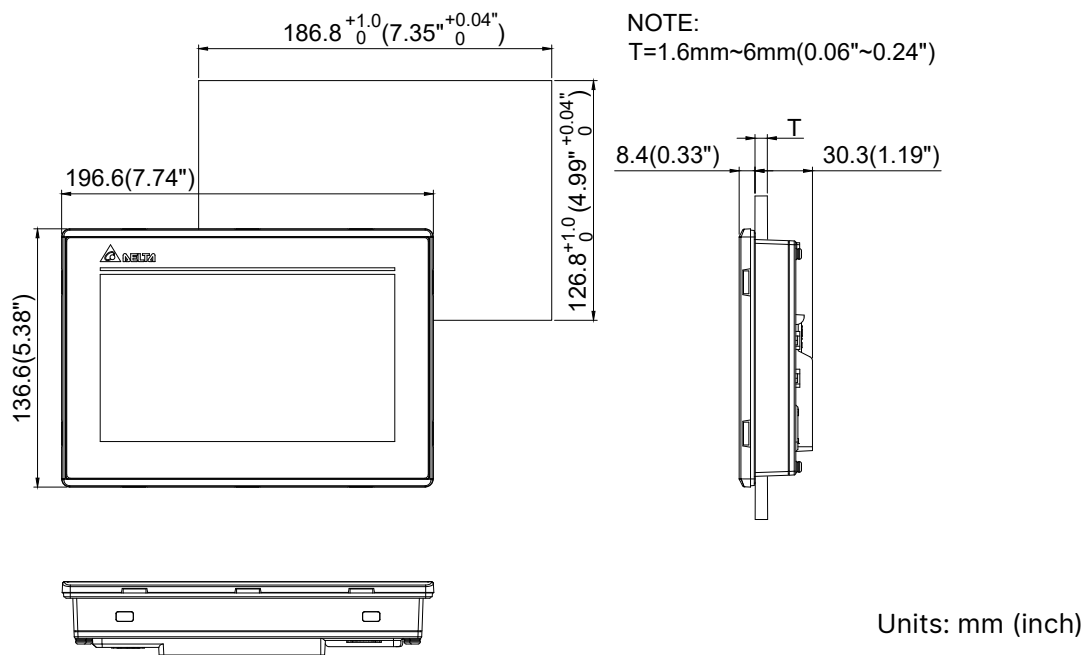
Units: mm (inch)

Dimensions

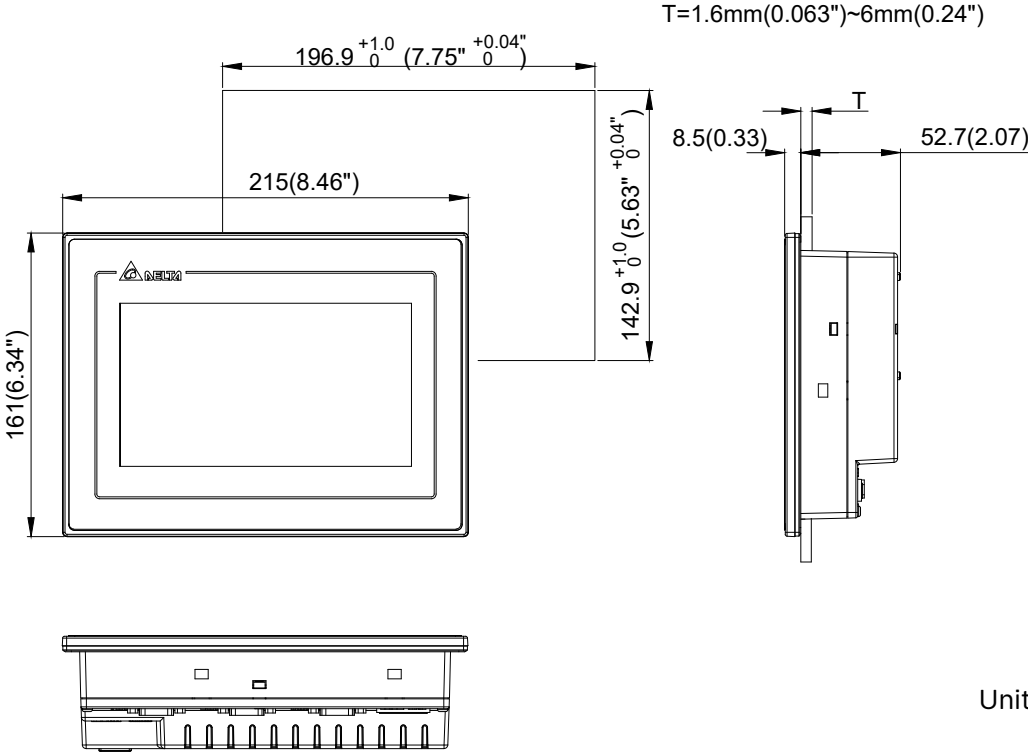
DOP-107DV



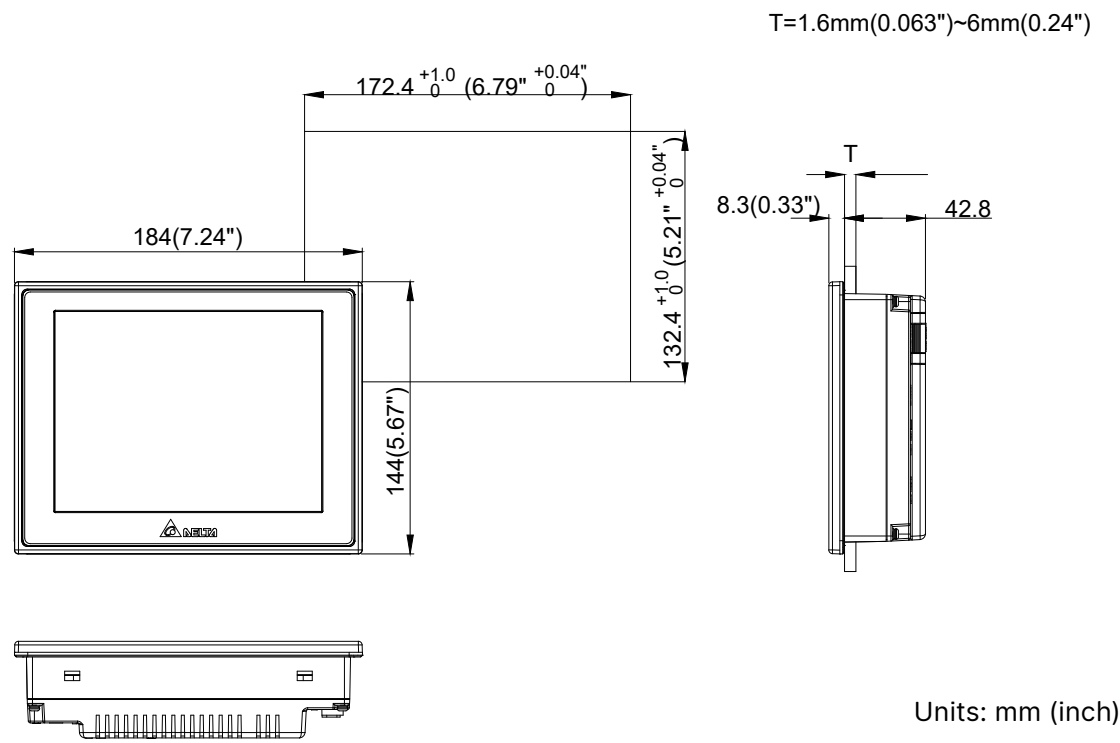
DOP-107PV



DOP-107CV

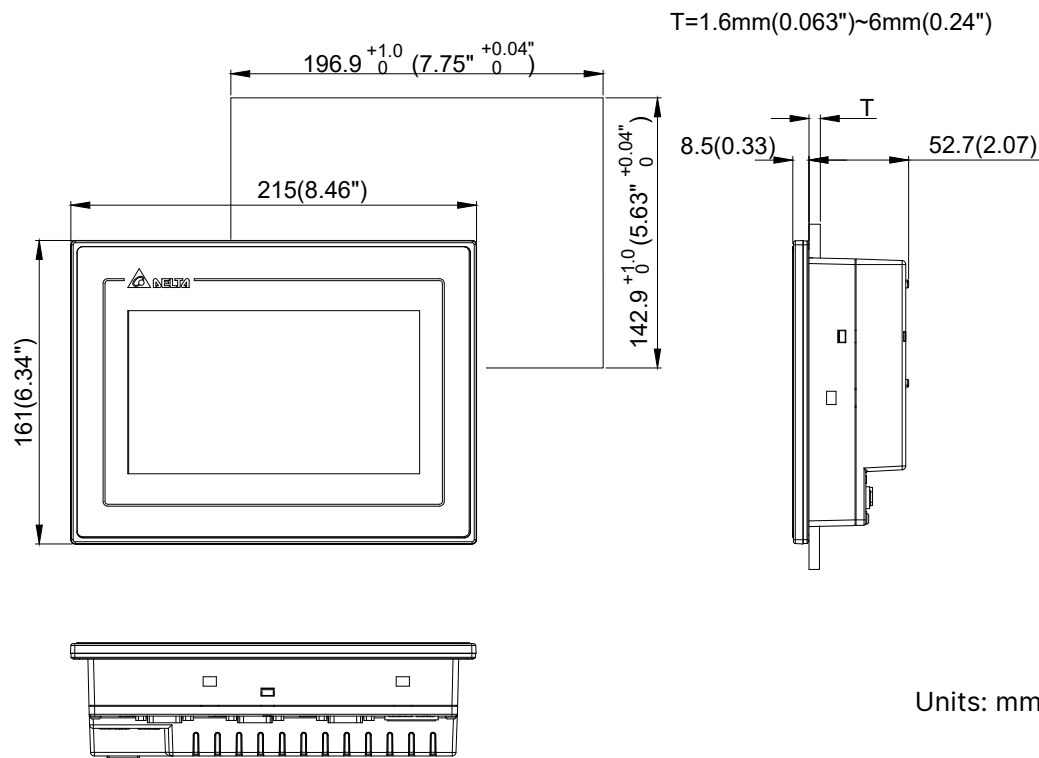


DOP-107EG

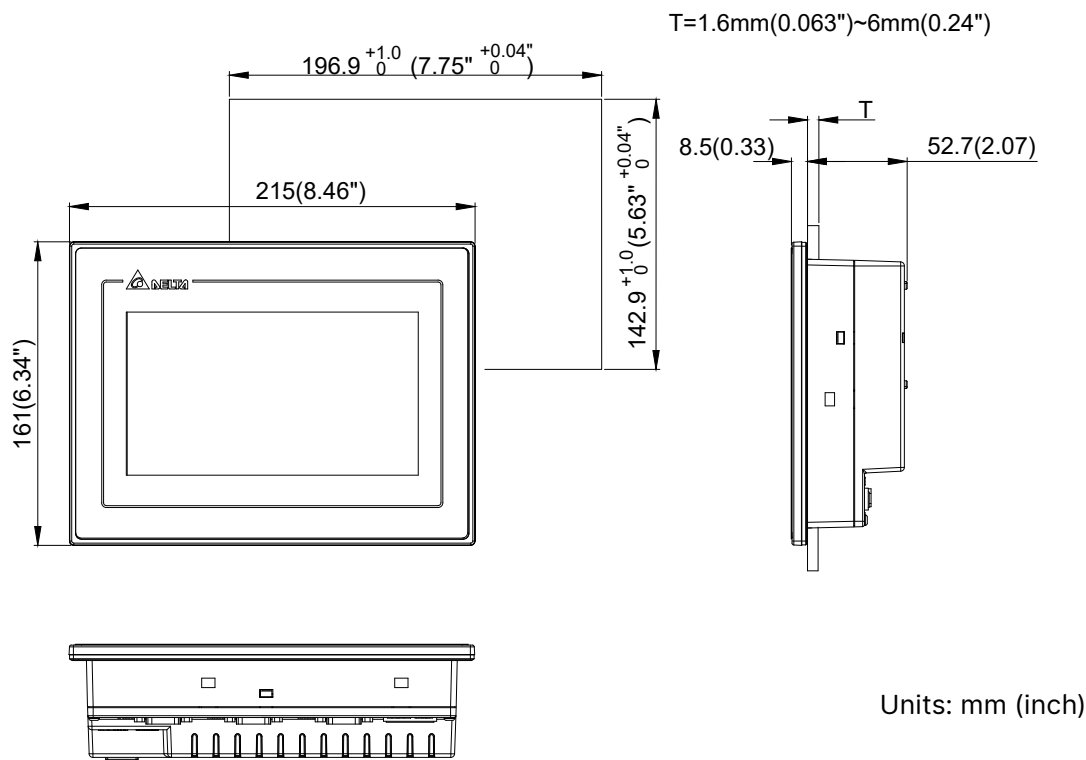


Dimensions

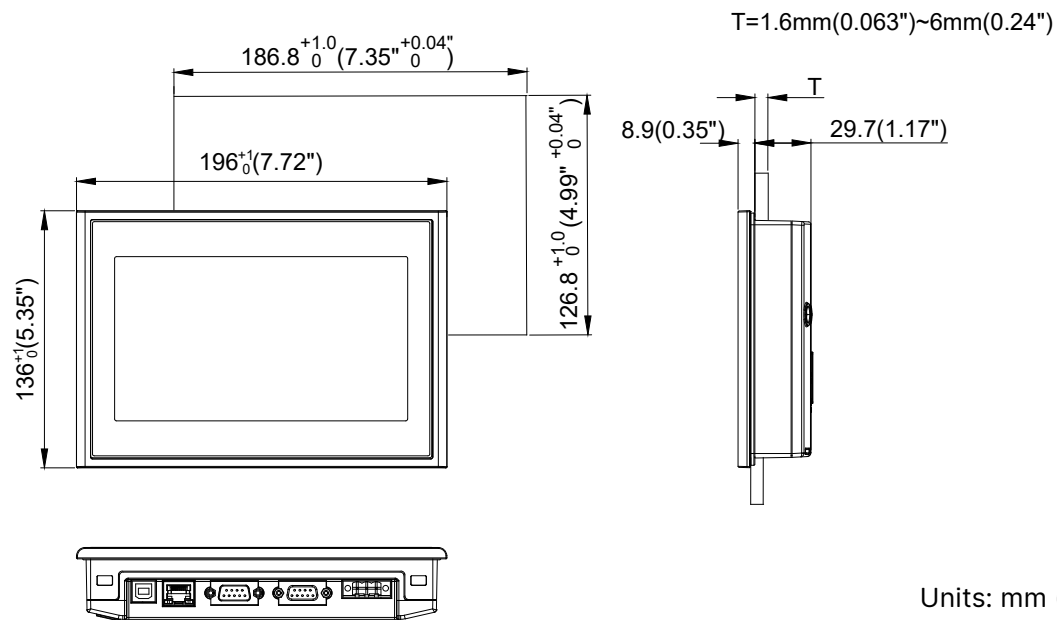
DOP-107EV



DOP-107IV

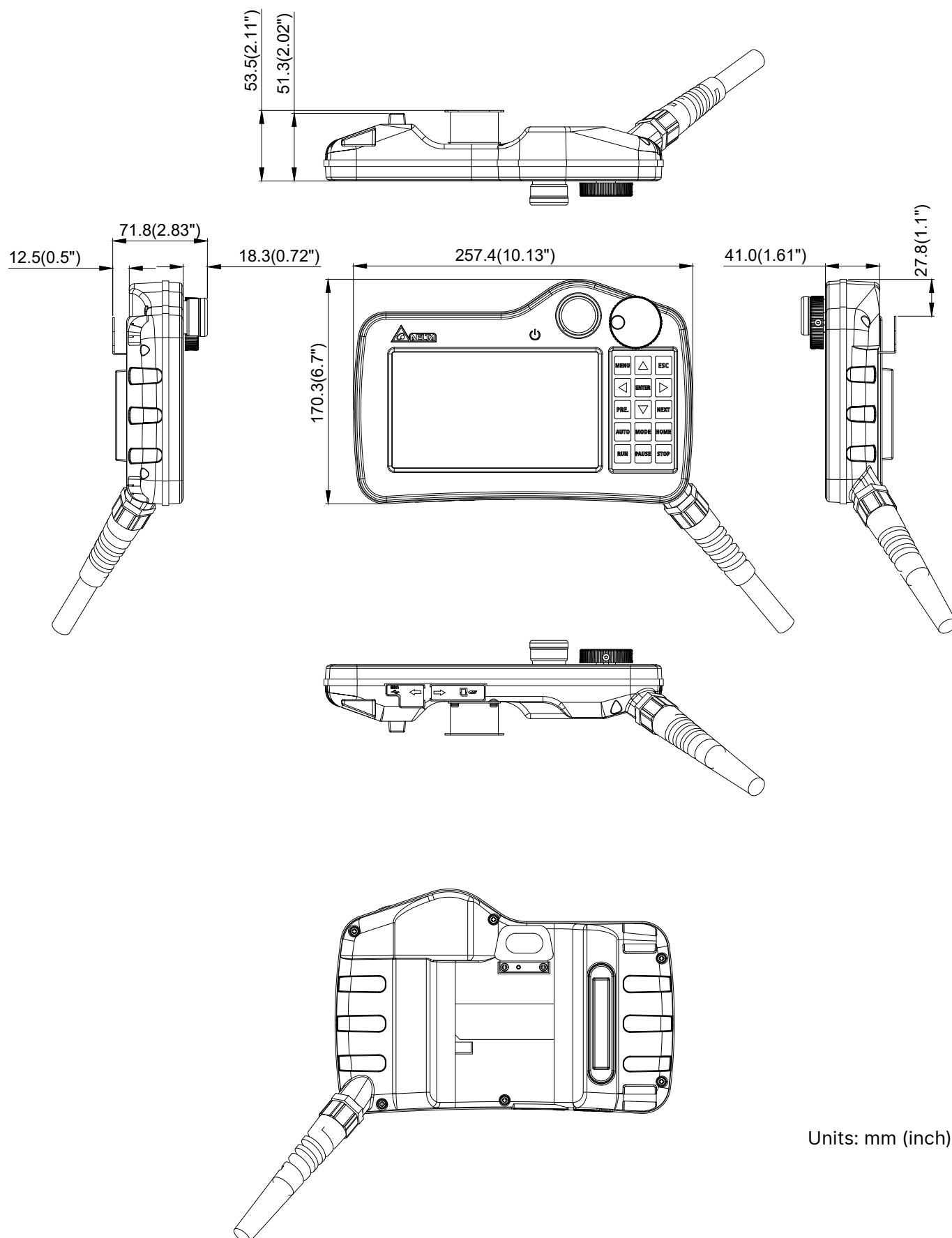


DOP-107WV



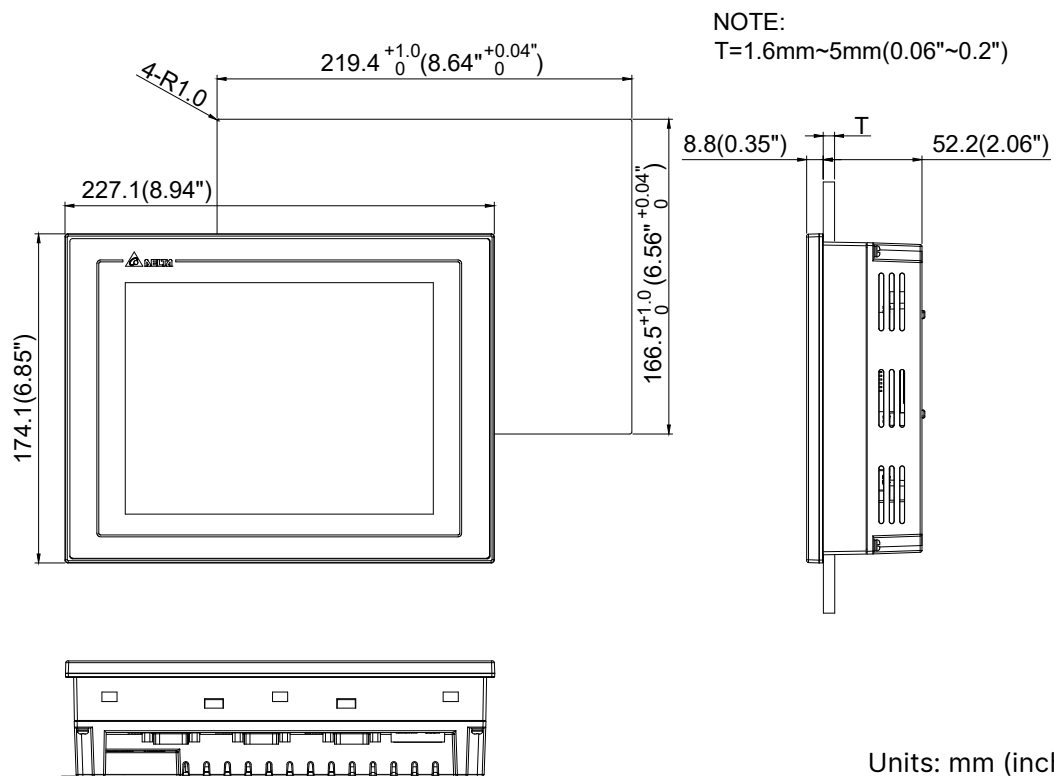
Dimensions

DOP-107HS4 / DOP-107HE4

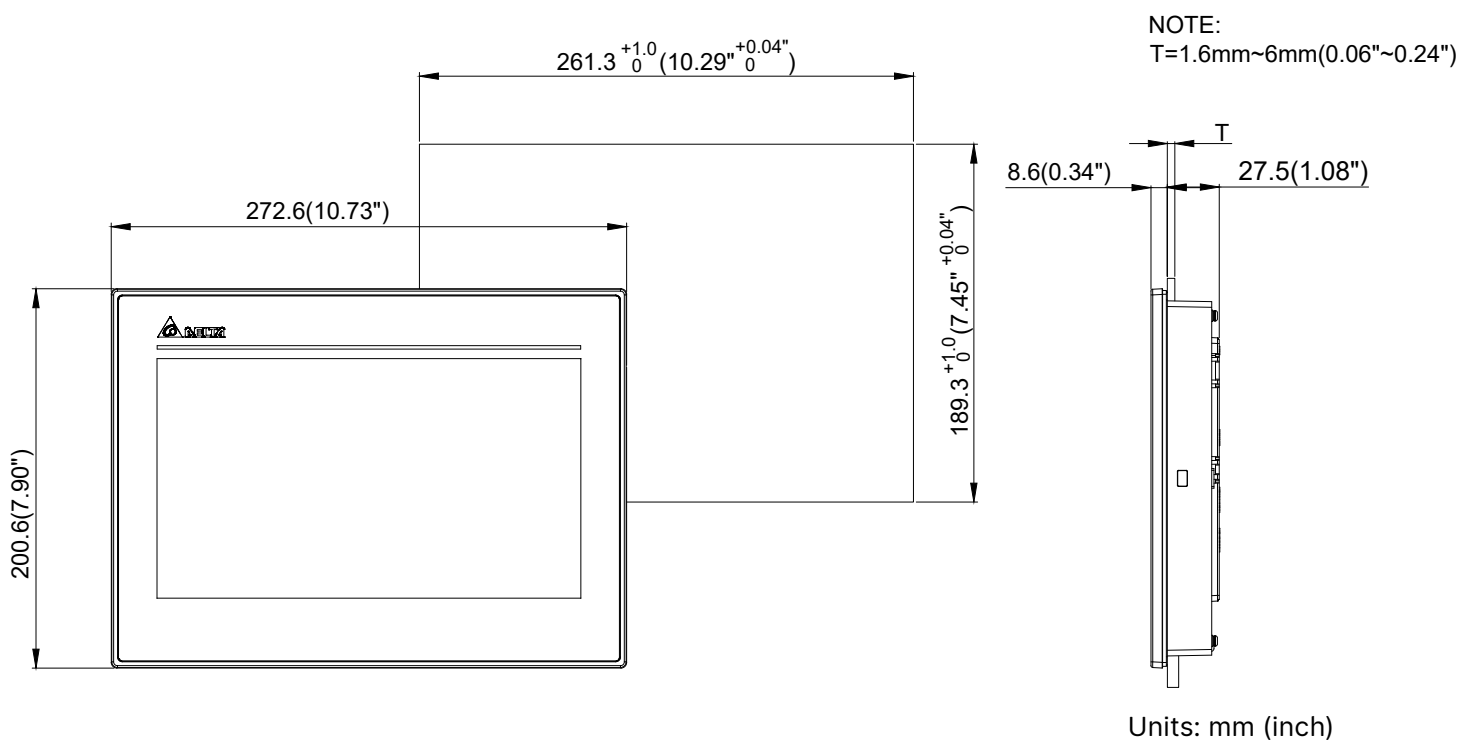


Units: mm (inch)

DOP-108IG

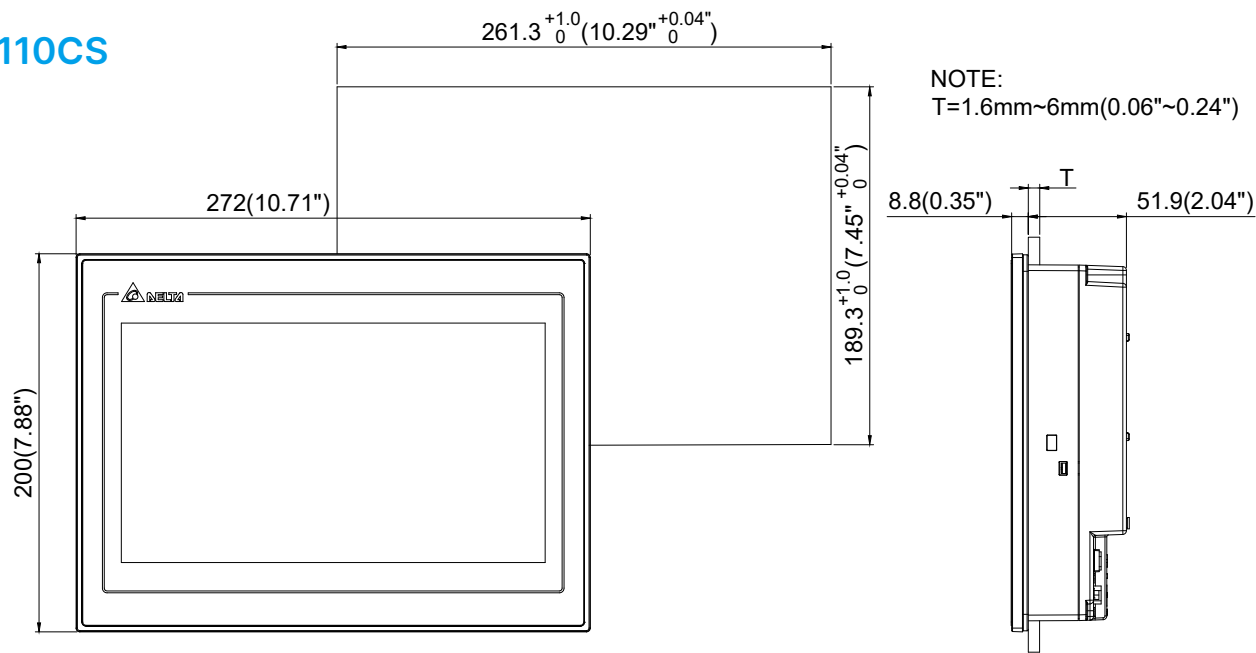


DOP-110DS



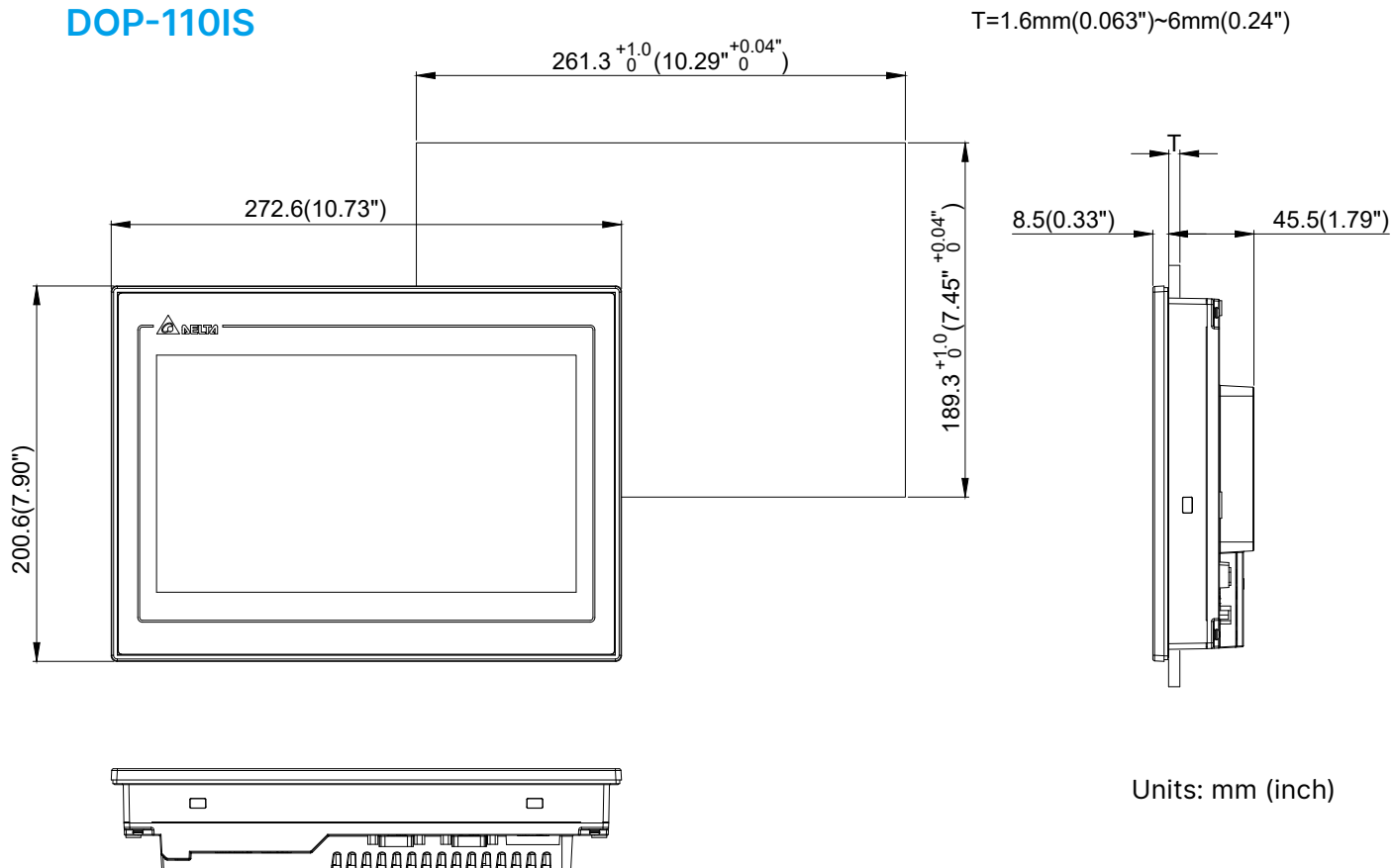
Dimensions

DOP-110CS



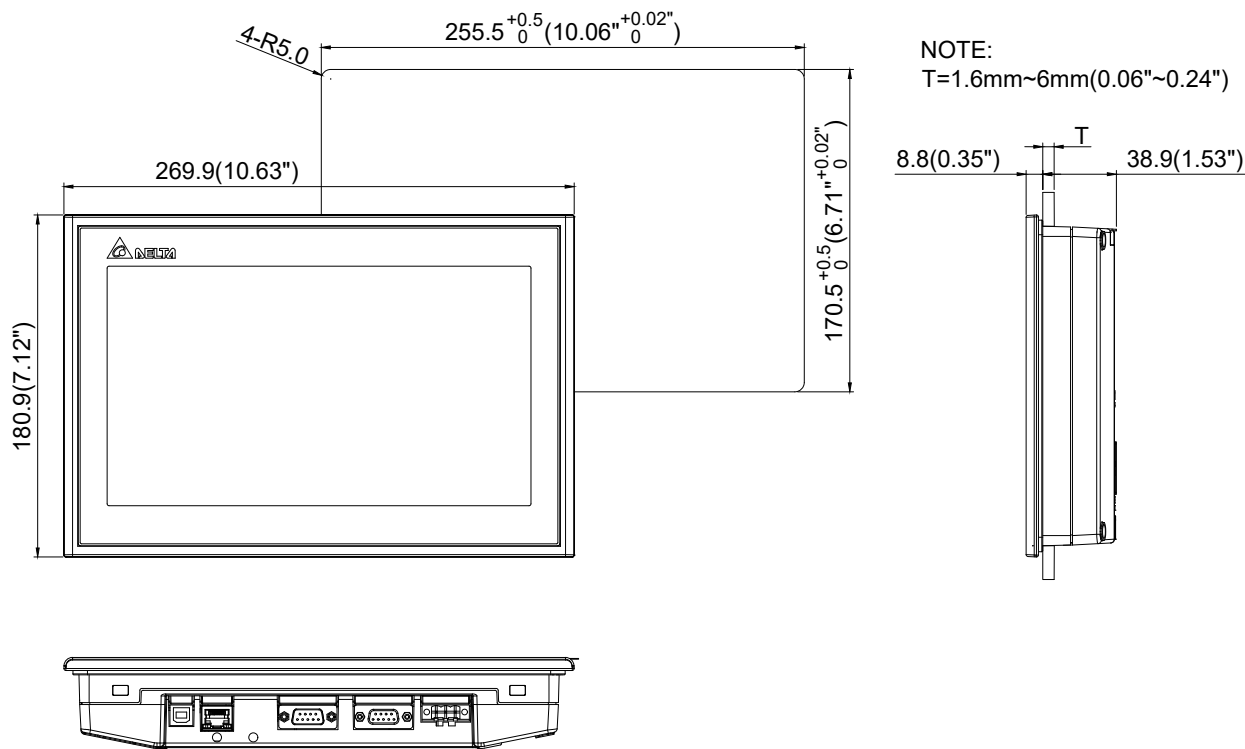
Units: mm (inch)

DOP-110IS



Units: mm (inch)

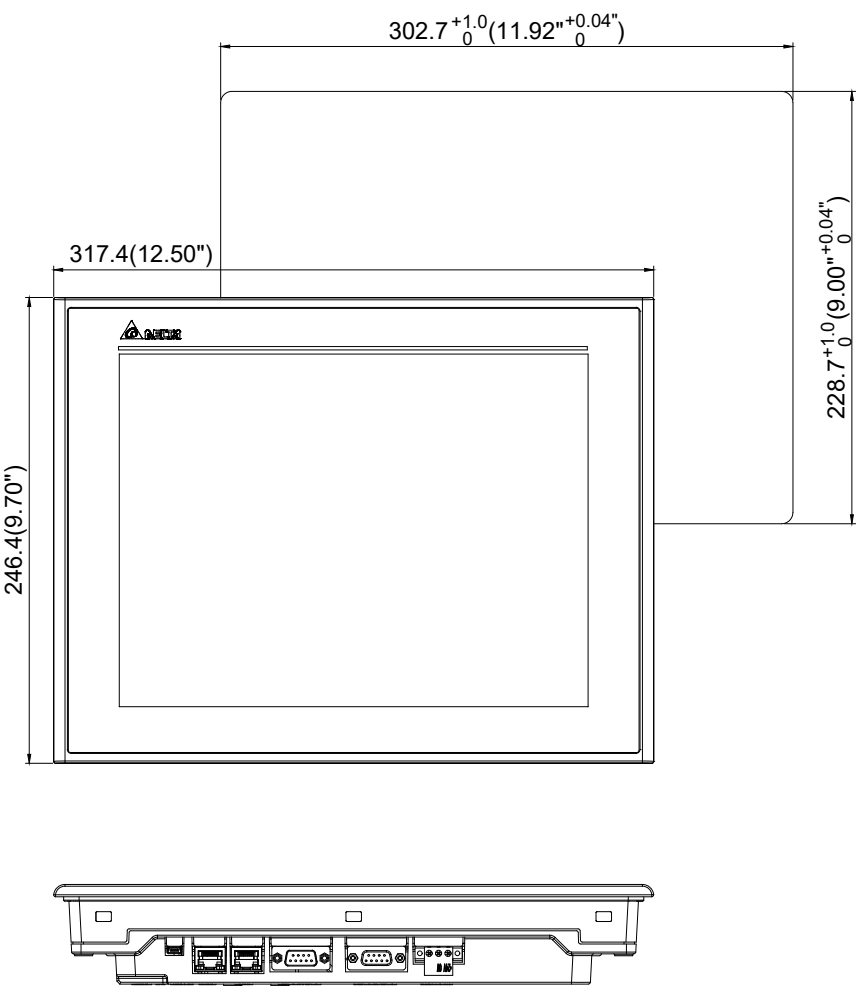
DOP-110WS



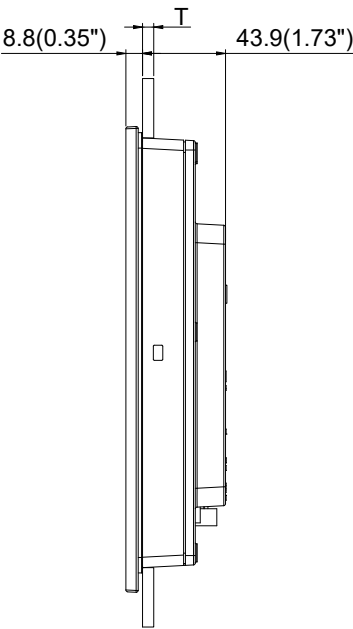
Units: mm (inch)

Dimensions

DOP-112MX/DOP-112WX

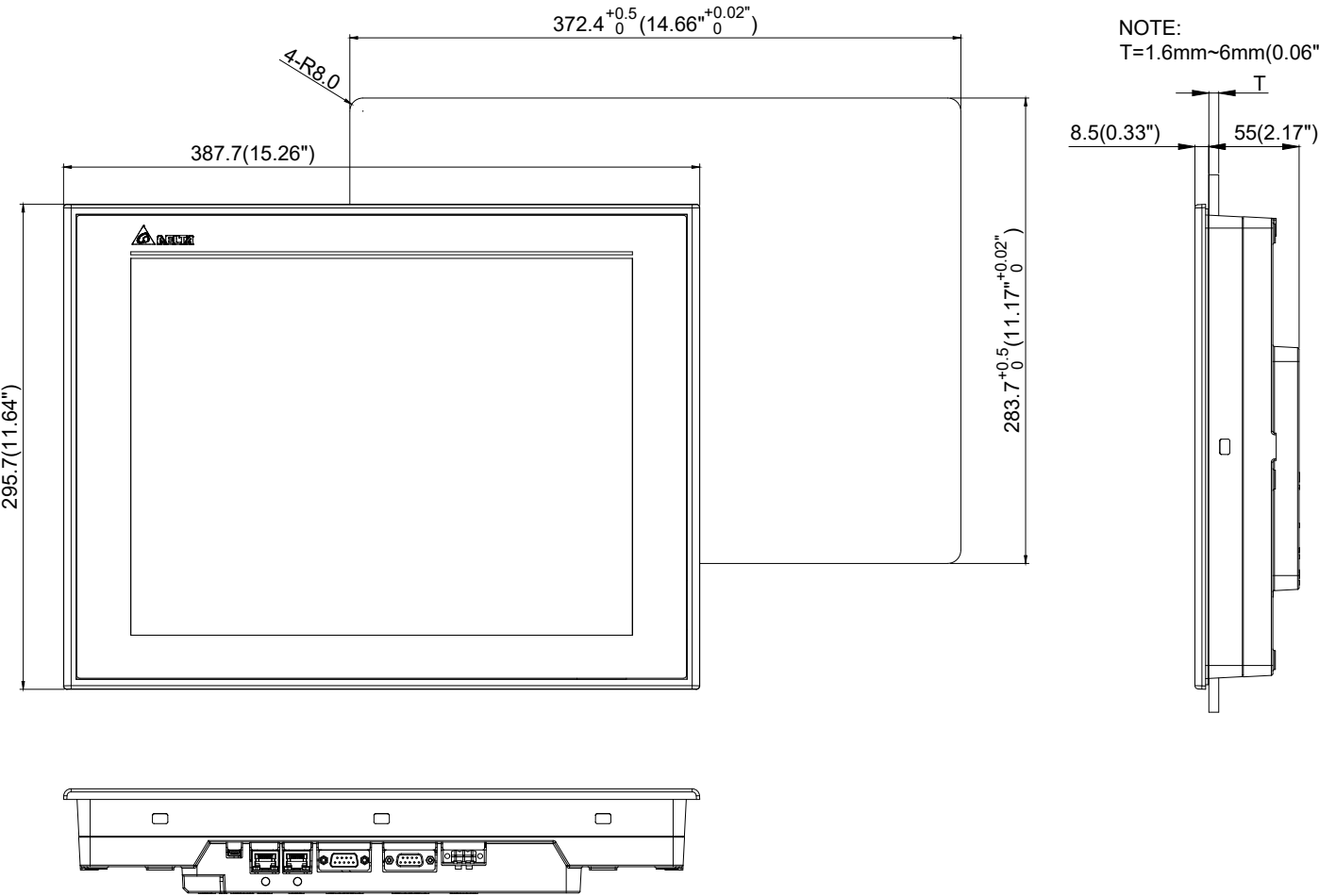


NOTE:
T=1.6mm~6mm(0.06"~0.24")



Units: mm (inch)

DOP-115MX/DOP-115WX



Units: mm (inch)

Ordering Information

Accessories

Product	Working Temp.	Protocol	Frequency Range	Encryption	Applicable Products	Antenna	Frequency	Model	Certificates
Wireless Module	0°C ~ 50°C	802.11b/g/n compatible	2.4 GHz	802.11i (WPA, WPA2)	DOP-3S07S3E2 DOP-3S10S3E2	N/A	CN, EU, INDIA	DX-MWB-01N	CE, SRRC, WPC
Wireless Module	0°C ~ 50°C	802.11b/g/n compatible	2.4 GHz	802.11i (WPA, WPA2)	DOP-100 series (DOP-107SV, DOP-12/15" Not supported)	Yes	CN, EU, INDIA	DX-MWB-01	CE, SRRC, WPC

Note: To ensure usage rights, please activate and use it within two years after shipment from Delta, and it will be valid within one year after activation. Delta reserves the right to adjust.

Software

Product	Description	Operating Systems
DIAScreen	Used for editor software for DOP-Handheld, DOP-100 & DOP-300 series	Windows® 8/10/11 (32-bit / 64-bit)
DIASWebDesigner	Provides professional visual page design for DIACloud, and creates the reports using programmed elements with vivid drawings and charts	Windows® 8/10/11 (32-bit / 64-bit)

Top-up Card

Product	Capacity	Use Time	Usage	Applicable Products	Model
Remote Access	36 GB	1 Year	VNC, HMI or remote upload / download from PLC	DOP-300	DX-TRA-0036
	12 GB	N/A	VNC, HMI or remote upload / download from PLC	DOP-300 DOP-100 (Wireless network only)	DX-TRA-9912

Product	Tags	Use Time	Usage	Applicable Products	Model
Cloud Application	500 Tags	1 Year	Data analysis and visualization	DOP-3S07S3E2 DOP-3S10S3E2	DX-TCA-0500

Note: To ensure usage rights, top-up card must be activated and used within two years after delivery by Delta, and it will be valid within one year after activation. Delta reserves the right to make adjustments.





Smarter. Greener. Together.

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