



# DTP10-P700™

IBM PC compatible (industrial laptop) Teach Pendant



## Introduction

The DTP10-P700 is an industrial laptop-type Teach Pendant based on the Intel® Pentium® processor with Windows 10 Professional.

The DTP10-P700 can be used not only the Teach Pendant of industrial robots but also the portable and industrial control computer for measurement and manipulation.

This product has a high MTBF, can operate at high industrial temperatures without cooling fans, and can be used even in harsh factory environments.

Because it is the same user environment as the PC, developer-friendly programming tools such as MFC and LabVIEW can be easily used, and existing programs can be used directly with a simple resolution adjustment.

- Windows 10 Professional 64bit support
- Familiar programming environment (MFC, LabVIEW, C#, ...)
- Easy to use for various PC applications
- Equipped with high-performance Intel Pentium CPU
- Fast boot-up time, high-efficiency work environment
- High-reliability, high-speed, self-made urethane shielded cable
- Data backup and software update via USB, Micro SD Card port
- Certifications : KC, CE, ISO 9001, ISO 1400

## Control System

CPU	Intel® Atom™ E3815, Single-Core, 1.46GHz
Memory	DDR3L 1066MHz 4GB
OS	Windows 10 IoT Enterprise 64 Bit Windows 10 Professional 64 Bit (*) Windows Embedded Standard 7 (*) Ubuntu 14.04.5 LTS 64 Bit (*)
Storage	Micro SSD 64 GB

## Communications

Ethernet x 1	
Data Transfer Medium	Cat. 5e SFTP cable (recommend) Cat. 7 SFTP RJ-45 plug (recommend)
Speed	10/100 Base-T
RS-232	
Baud Rate	2400 ~ 115.2 kbps
Transmission Range	10m (Depends on user environment)

## Power

Power Consumption	1A (Max) @ 24V <sub>dc</sub>
Power Input	+24V <sub>dc</sub> ± 5%
Reverse Protection	Yes

## Appearance

Dimensions	325 x 238 x 62 mm
Weight	1600g (Max. without cable)

## RTC

Battery	Lithium 3 years (Min)
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## Ordering Information

- DTP10-PT : 10.1" LCD Windows 10 IoT Enterprise
- DTP10-PE : 10.1" LCD Windows Embedded Standard 7
- DTP10-PU : 10.1" LCD Ubuntu 14.04.5 LTS 64bit
- (\*): Option

## Graphics

Display Type	10.1" IPS TFT LCD (LED backlight)
Resolution	1280 x 800
Backlight Lifetime	40,000 hr (Typical)

## Touch Screen

Touch Type	4-Wire analog-resistive
Light Transmission	80% or more
Controller	USB interface
Durability (Touches)	More than 1 million in one place

## External Interfaces

IO	1 x Micro SD / MMC (Windows 10 IoT Enterprise unsupported) 1 x USB 2.0 host
Debug Serial Port	1 x Micro USB

## LED / Keypads

Status LED	3 x Dual Color LEDs
Jog(+,-)	16 Keys
Function	2 Keys

## Switches

Emergency Stop	1
3-Level Enabling	1
Select	1
User	2 (*)

## Environment

Operating Temperature	0°C to +45°C
Storage Temperature	-20°C to +70°C
Humidity	10% to 85% (Non-condensing)
Cooling Method	Ambient

## Certifications

EMC / EMI	KC, CE
ISO 9001, ISO 14001	

# Optional Accessories

DTP-CUE-JB	Junction Box
DTP-CU-26P-***M	System Cable Length (1.5m, 3m, 5m)
DTP-CU-26R	Circular Receptacle Connector
DTP10-BR	Wall Bracket



## DAINCUBE INC. Technical Support

In case of inconveniences or requests such as technical or field dispatch, etc. We will quickly and efficiently support you to ensure that your products are used without any problems.

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