



(주)다인큐브

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Global Leader in Robot controller

Teach pendant
Motion controller
Safety controller

GLOBAL PARTNERS

America Partner

California: E-motion America Inc.

Address: 43397 Business Park Drive, D3, Temecula, CA92590
Tel: +1-951-760-3653
Email: support@e-motionsupply.com

Texas: E-motion America Inc.

Address: 4545 Fuller Drive, Suite 240, Irving, TX75038
Tel: +1-972-251-0087
Email: support@e-motionsupply.com

Chinese Partner

Beijing: E-motion America Inc.

Address: No. 28, M Zone, Longcheng garden, Beijing 102208
Tel: +86-10-82025588
Email: support@e-motion.com

Shanghai: HiROBOT Automation Technology Co., Ltd.

Address: #807, Section B, 668 East Beijing Road, Shanghai (200001)
Tel: +86-21-6338755 / Fax: +86-21-6338607
Email: wchen@hi-robot.com.cn / Web: www.hi-robot.com.cn

Tianjin: Tianyuan Science & Energy Automation Control Tech. Co., Ltd.

Address: #601, Building C, Jintang road Hedong District. Tianjin (300180)
Tel: +86-022-24051321 / Fax: +86-022-24051320
Email: tyse_tj@163.com / Web: www.tj-tyse.com

Japanese Partner

Ibaraki: DYLEC Co., Ltd.

Address: 5443-4, Amihara, Ami-machi, Inashiki-gun, Ibaraki (300-0331)
Tel: +81-29-840-2021 / Fax: +81-29-888-3251
Email: takaya_jun@dylec.co.jp / Web: www.dylec.co.jp

Thailand Partner

Bangkok: SDG Innotech Solutions Co., Ltd.

Address: 38/499, Thairaman Rd. Samwatawantok, Klongsamwa, Bangkok (10510)
Tel: +66-(0)830143912 / Fax: +66-(0)899687537
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Vietnam Partner

Hochiminh: VAS Corporation

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The only company for robot controller

다인큐브는 로봇산업에서 탁월한 가치 창조를 기업 이념으로 하는 세계 최초 Teach Pendant 일체형 로봇 모션 제어기와, 로봇과 장비를 안전하게 관리하는 Safety 장치, Teach Pendant를 고객에게 공급하고 있습니다.

다인큐브의 로봇 모션 제어기는 다양한 제조용(산업용) 로봇 Manipulator를 몇 단계 만으로 설정 가능하고, 풍부한 로봇 언어를 사용해 교시가 편리하며, 다양한 EtherCAT Servo Drive와 I/O를 연결하여 로봇 또는 자동화 시스템을 구축할 수 있습니다.

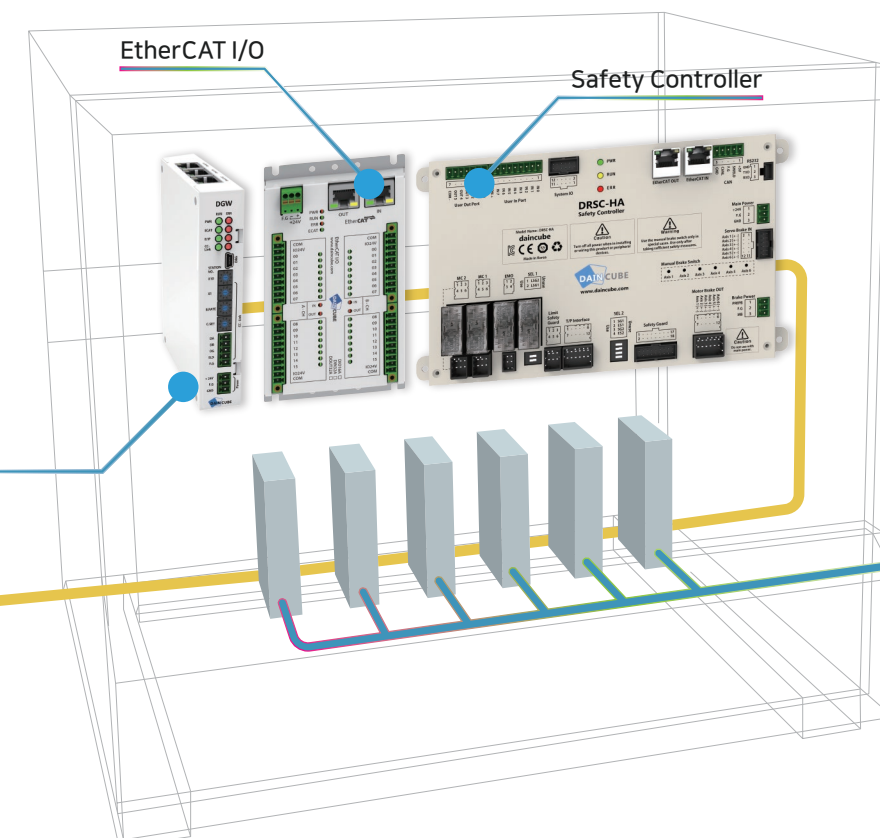
We have the company philosophy that is to create superior value in the robot industry by providing the world's first all in one type Teach pendant & Robot motion controller and Safety controller for robot and automation equipment.

Our robot motion controller can be used for various kinds of industrial robot such as Multi-axis, Delta, SCARA, by simple configuration and setting. We provide robot standard language to jog, programming easily and support several kinds of EtherCAT Servo Driver and I/O.



T/P & Robot Motion Controller

Fieldbus Gateway



TEACH PENDANT

7" Teach Pendant (DTP7H™)

- Teach pendant for industrial robots based on industrial safety regulations
- Mobile (Handy) touch panel type & an embedded type which supports various operating systems
- Designed ergonomically
- Used for various type of robot and automation equipment
- Certification: KC, CE, ISO 9001, ISO 14001
- "Passed" 1.5m drop test / IP54

10.1" Teach Pendant (DTP10™)

- OSD supported (Brightness, Contrast, Sharpness)
- Automatic resolution setting
- Teach pendant for industrial robots based on industrial safety regulations
- Mobile (Handy) touch panel type & an embedded type which supports various operating systems
- Certification: KC, CE, ISO 9001, ISO 14001
- "Passed" 1.5m drop test / IP54

3.5" Teach Pendant (DTP3™)

- Low cost, light, compact size (Under 300g weight)
- Cost-effective price than more in-house Teach pendant
- Easy & simple GUI implementation not developing extra T/P programs but using user interface
- IDE (Integrated Development Environment) is provided by STMicro STM32



ROBOT CONTROLLER

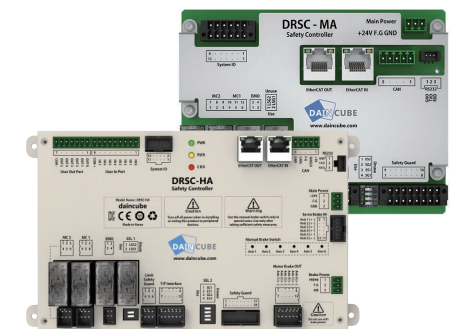
Robot Motion Controller (coreCon™)

- Robot Motion Controller for Multi-Axis, Delta, SCARA, Cartesian and Collaborative robots which can be used in the same UI
- Various robot language function (motion operation, setting, I/O, function, structure, operation, variable, constant)
- Real-time, High speed synchronized communication / Real-time Linux (Xenomai 2.6.5)
- Embedded ARM processor based (light weight, compact, reliable, low power, low heat)
- Easily build GUI applications with the latest version of QT 4.8.7
- Certification: KC, CE, ISO 9001, ISO 14001



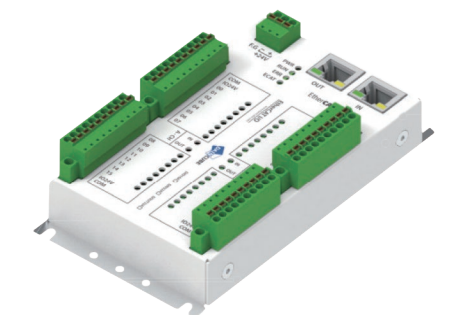
Safety Controller (DRSC™)

- Cables are perfectly organized through "H/W Safety logic"
- Safety status be sent to controller via EtherCAT, CAN, RS-232 communication
- Maximum deceleration stop function for Emergency stop
- Certification: S-Mark (EN ISO 13849-1 PL=d Cat.3), KC, CE, ISO 9001, ISO 14001



EtherCAT I/O (DIO-32A™)

- Adopt European terminal block that is easy to put on and take off
- Two isolated 16 port I/O modules are freely selectable
- Wide I/O input power (Max. 30V_{DC}), Supports 350mA (ch) transistor output
- EtherCAT dedicated I/O module
- Bi-directional input port, NPN transistor output port support
- Certification: KC, CE, ISO 9001, ISO 14001



Fieldbus Gateway (DGW™)

- CC-Link(Slave) to EtherCAT(Slave) Gateway
- EtherNet/IP(Scanner) to EtherCAT(Slave) Gateway
- Robot Motion Controller can be connected to main PLC
- Minimize cable connections
- Certification: KC, CE, ISO 9001, ISO 14001
- "Passed" CC-Link conformance test

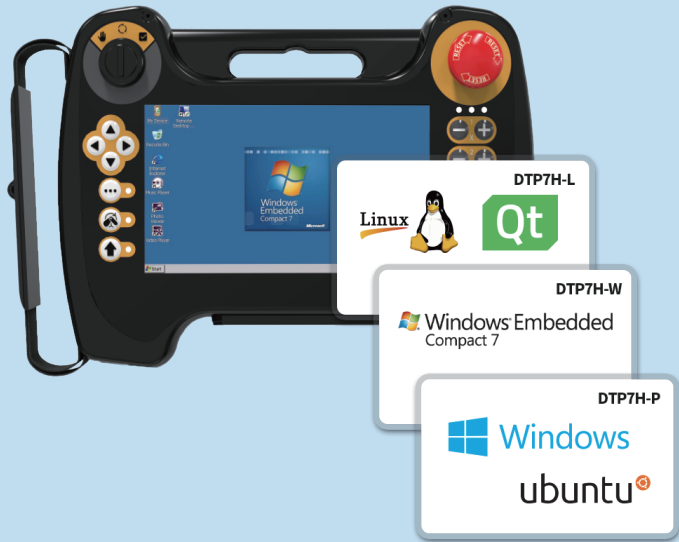


7" TEACH PENDANT (DTP7H™)

DTP7H-E

Embedded Type
DTP7H-P / DTP7H-W / DTP7H-L

Supports various operating systems
(Windows 10, Windows CE 7.0, Linux)



DTP7H-P
Windows 10, Ubuntu

Industrial laptop type Teach Pendant based on Intel® Atom™ processor, Windows 10 IoT Enterprise 2016 LTSB, and Ubuntu 14.04

DTP7H-W
Windows CE 7.0

Optimized Windows CE 7.0, offering device drivers Embedded ARM processor based (light weight, reliable, low power, low heat)

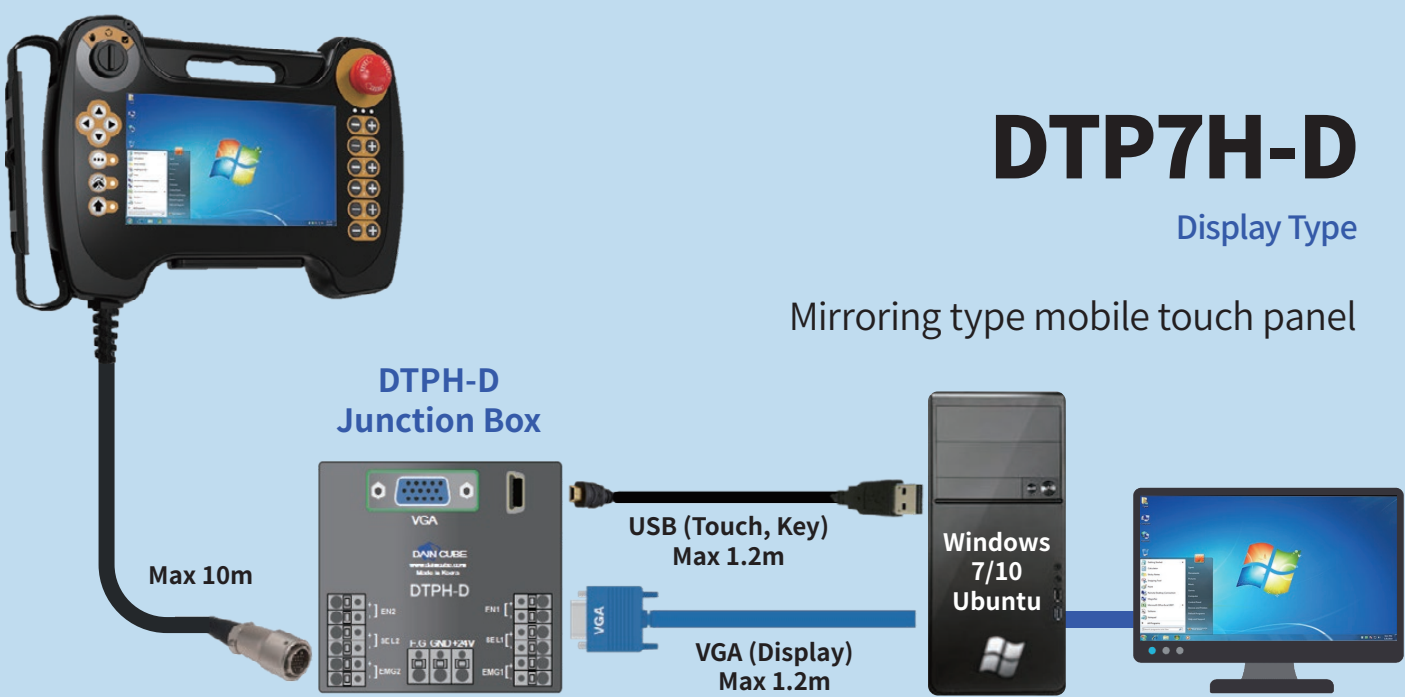
DTP7H-L
Embedded Linux

Fast response time based on Embedded Linux 4.1.15
Easily build GUI applications with the latest version of QT 4.8.7

DTP7H-D

Display Type

Mirroring type mobile touch panel



- PC send GUI to mobile touch panel via VGA and Touch / Key button can be controlled by USB HID and Virtual COM port
- User do not develop GUI but just use the mobile touch panel with duplicate or extend
- Strong noise protect system and clear view by digital signal which is taxi-driver interface
- No needs two people work to teach back side machine and go in the inside of machine

SPECIFICATIONS

Model Type	DTP7H-P	DTP7H-W	DTP7H-L
Graphics / Touch	TFT 7" 1024x600, 16.7M Color, LED Backlight / 4-wire Analog-resistive		
LED / Keypad	Dual Color LED 6ea / Jog(+,-) 12ea, Function 3ea, Direction 4ea jog key interface		
Switch	Emergency stop, 3-Level Enabling, Power On/Off or Select ^(☆) (choose one)	Emergency stop, 3-Level Enabling, Select	Emergency stop, 3-Level Enabling, Select
Power Supply Voltage	1A (Max) @ +24Vdc ± 5%	500mA (Max) @ +24Vdc ± 5%	500mA (Max) @ +24Vdc ± 5%
Environment	Operating temperature: 0°C to 45°C, Storage temperature: -20°C to 70°C, Humidity Max 85% (Non-Condensing)		
Appearance	Size: 195 x 270 x 72 mm, Weight: 1000g (Max, Without cable and Emergency stop switch cap)		
CPU	Intel® Atom™ E3815, Single-Core, 1.46GHz	i.MX6S: Solo, 800MHz Cortex-A9 core (2400 DMIPS)	i.MX6Q: Quad, 1.0GHz Cortex-A9 core (11500 DMIPS)
Memory	4GB DDR3L memory, 1066MHz	DDR3 800MHz 512MB	DDR 800MHz 1GB
Storage	Micro SSD 64GB	MLC type eMMC 8GB	MLC type eMMC 8GB MRAM 2MB ^(☆)
OS	Windows 10 IoT Enterprise 2016 LTSB Ubuntu 14.04.5	Windows Embedded Compact 7	Embedded Linux 4.1.15 Real-Time Linux(Xenomai) 2.6.5 Qt 4.8.7 EtherCAT Master 1.5.2 File System ext 4
RTC	Lithium 3 years (Min)	Lithium 3 years (Min)	Lithium 3 years (Min)
Communication	Ethernet x 1, RS-485 x 1	Ethernet x 1, RS-485 x 1	EtherCAT x 1, Ethernet x 1, RS-485 x 1
External Storage	USB 2.0 Host x 1	SD-Card x 1, USB 2.0 Host x 1, USB Device x 1	SD-Card x 1, USB 2.0 Host x 1, USB Device x 1

(☆): Option

SPECIFICATIONS

Model Type	DTP7H-D
Graphics / Touch	TFT 7" 1024x600, 16.7M Color, LED Backlight / 4-wire Analog-resistive
LED / Keypad	Dual Color LED 6ea / Jog(+,-) 12ea, Function 3ea, Direction 4ea jog key interface
Switch	Emergency stop, 3-Level Enabling, Select
Power Supply Voltage	500mA (Max) @ +24Vdc ± 5%
Environment	Operating temperature: 0°C to 45°C, Storage temperature: -20°C to 70°C, Humidity Max 85% (Non-Condensing)
Appearance	Size: 195 x 270 x 72 mm, Weight: 1000g (Max, Without cable and Emergency stop switch cap)
Analog Video Input	Standard VGA (Extend, Duplicate)
Supported Resolutions	VESA standard support (1024 x 768 optimal)
OSD Function	Brightness, Contrast, Video interface, Color temp, H-position, V-position, OSD timer
Communication	Touch: USB HID, Key: USB Virtual COM Port
Support OS (32/64bit)	Windows 10, Windows 10 IoT Enterprise 2016 LTSB, Windows 7 professional, Windows CE 6.0/7.0, Ubuntu 14.04.5

10" TEACH PENDANT (DTP10™)

DTP10-E

Embedded Type
DTP10-P / DTP10-W / DTP10-L

Supports various operating systems
(Windows 10, Windows CE 7.0, Linux)



DTP10-P

Windows 10, Ubuntu

Industrial laptop type Teach Pendant based on Intel® Atom™ processor, Windows 10 IoT Enterprise 2016 LTSB, and Ubuntu 14.04

DTP10-W

Windows CE 7.0

Optimized Windows CE 7.0, offering device drivers Embedded ARM processor based (light weight, reliable, low power, low heat)

DTP10-L

Embedded Linux

Fast response time based on Embedded Linux 4.1.15
Easily build GUI applications with the latest version of QT 4.8.7

DTP10-D

Display Type

Mirroring type mobile touch panel



- PC send GUI to mobile touch panel via VGA and Touch / Key button can be controlled by USB HID and Virtual COM port
- User do not develop GUI but just use the mobile touch panel with duplicate or extend
- Strong noise protect system and clear view by digital signal which is taxi-driver interface
- No needs two people work to teach back side machine and go in the inside of machine

SPECIFICATIONS

Model Type	DTP10-P	DTP10-W	DTP10-L
Graphics / Touch	TFT 10.1" 1280x800, 16.7M Color, LED Backlight / 4-wire Analog-resistive		
LED / Keypad	Dual Color LED 3ea / Jog(+,-) 16ea, Function 2ea		
Switch	Emergency stop, 3-Level Enabling, Power On/Off or Select ^(☆) (choose one), User x 2	Emergency stop, 3-Level Enabling, Select, User x 2	Emergency stop, 3-Level Enabling, Select, User x 2
Power Supply Voltage	1A (Max) @ +24Vdc ± 5%	500mA (Max) @ +24Vdc ± 5%	500mA (Max) @ +24Vdc ± 5%
Environment	Operating temperature: 0°C to 45°C, Storage temperature: -20°C to 70°C, Humidity Max 85% (Non-Condensing)		
Appearance	Size: 270 x 305 x 50 mm, Weight: 1500g (Max, Without cable and Emergency stop switch cap)		
CPU	Intel® Atom™ E3815, Single-Core, 1.46GHz	i.MX6S: Solo, 800MHz Cortex-A9 core (2400 DMIPS)	i.MX6Q: Quad, 1.0GHz Cortex-A9 core (11500 DMIPS)
Memory	4GB DDR3L memory, 1066MHz	DDR3 800MHz 512MB	DDR 800MHz 1GB
Storage	Micro SSD 64GB	MLC type eMMC 8GB	MLC type eMMC 8GB MRAM 2MB ^(☆)
OS	Windows 10 IoT Enterprise 2016 LTSB Ubuntu 14.04.5	Windows Embedded Compact 7	Embedded Linux 4.1.15 Real-Time Linux(Xenomai) 2.6.5 Qt 4.8.7 EtherCAT Master 1.5.2 File System ext 4
RTC	Lithium 3 years (Min)	Lithium 3 years (Min)	Lithium 3 years (Min)
Communication	Ethernet x 1, RS-485 x 1	Ethernet x 1, RS-485 x 1	EtherCAT x 1, Ethernet x 1, RS-485 x 1
External Storage	USB 2.0 Host x 1	Micro SD-Card x 1, USB 2.0 Host x 1, USB Device x 1	Micro SD-Card x 1, USB 2.0 Host x 1, USB Device x 1

(☆): Option

SPECIFICATIONS

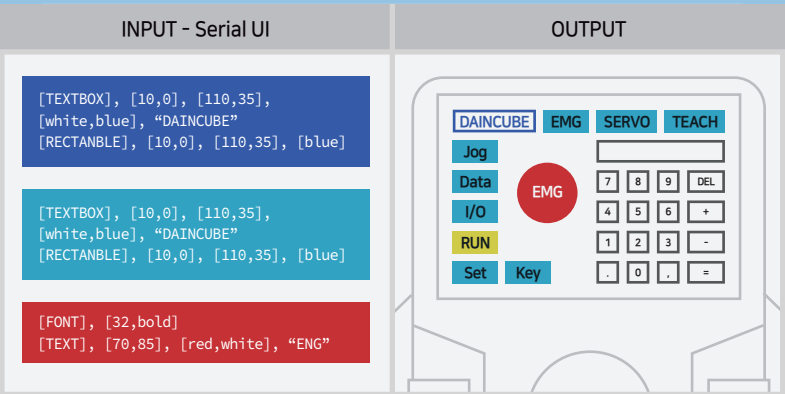
Model Type	DTP10-D
Graphics / Touch	TFT 10.1" 1280x800, 16.7M Color, LED Backlight / 4-wire Analog-resistive
LED / Keypad	Dual Color LED 3ea / Jog(+,-) 16ea, Function 2ea
Switch	Emergency stop, 3-Level Enabling, Select, User x 2
Power Supply Voltage	500mA (Max) @ +24Vdc ± 5%
Environment	Operating temperature: 0°C to +45°C, Storage temperature: -20°C to 70°C, Humidity Max 85% (Non-Condensing)
Appearance	Size: 270 x 305 x 50 mm, Weight: 1500g (Max, Without cable and Emergency stop switch cap)
Analog Video Input	Standard VGA (Extend, Duplicate)
Supported Resolutions	VESA standard support (1280 x 800 optimal)
OSD Function	Brightness, Contrast, Video interface, Color temp, H-position, V-position, OSD timer
Communication	Touch: USB HID, Key: USB Virtual COM Port
Support OS (32/64bit)	Windows 10, Windows 10 IoT Enterprise 2016 LTSB, Windows 7 professional, Windows CE 6.0/7.0, Ubuntu 14.04.5

3.5" TEACH PENDANT (DTP3™)

- Low cost, light, compact size (Under 300g wight)
- Cost-effective price more than in-house Teach pendant
- Easy & simple GUI implementation not developing extra T/P programs but using serial user interface
- IDE (Integrated Development Environment) is provided by STMicro STM32

SUI (Serial User Interface) software for DTP3

Visualizing GUI only with controller program without developing extra programs



SPECIFICATIONS

Model type	DTP3
Processor	ARM Cortex-M4 - 1800MHz
Memory	Internal: SRAM 256KB, ☆: SDRAM 64MB
LCD / Touch	TFT 3.5" 320 x 240, 16.2M Color, LED backlight / 4-Wire analog-resistive
LED / Keypad	User define: 10ea / User define: 45ea
Internal Storage	Flash 1MB
External Storage	USB 2.0 Host x 1
OS	Non-OS
RTC	Lithium 3years (Min)
Switch	Emergency stop, 3-Level enabling, Select, Jog dial
Communication	RS-485 x 1
Power Consumption	DC + 24V ± 5%, Max. 250mA
Appearance	Size 90 x 270 x 45 mm, Weight 600g (Without cable)

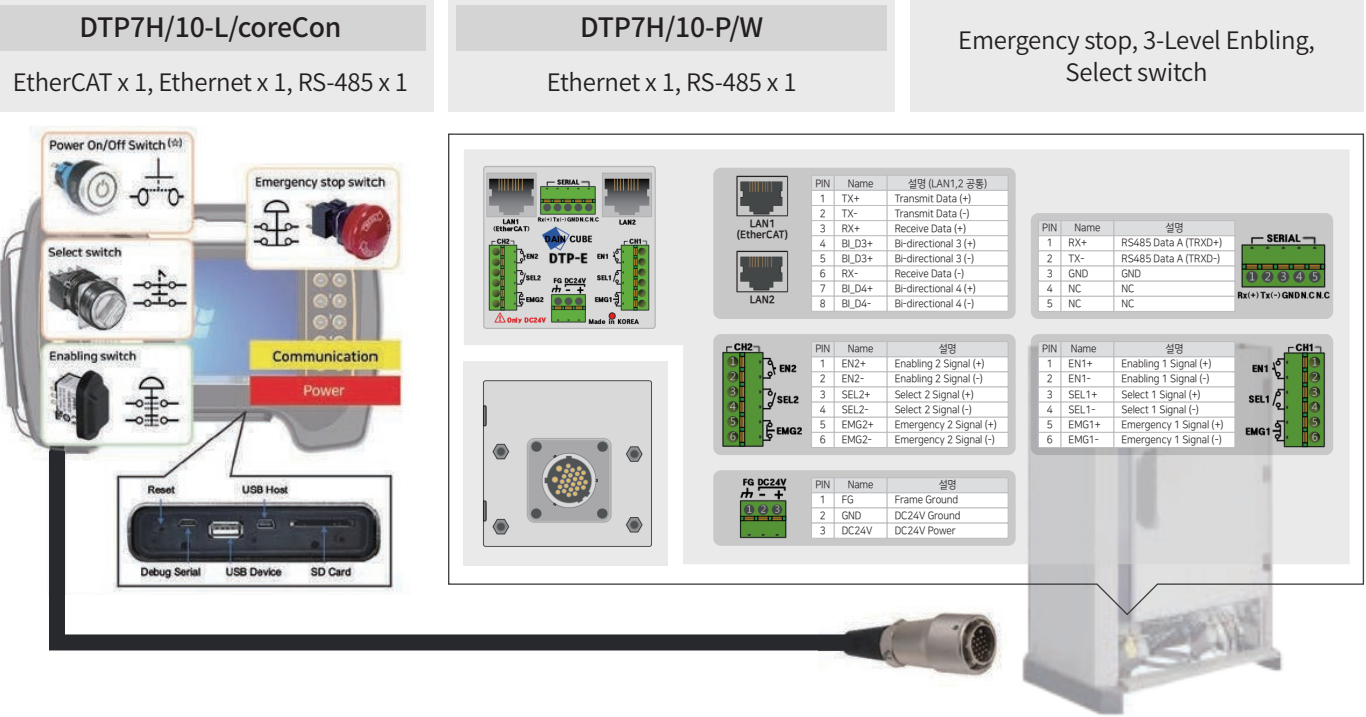
(☆): Option

JUNCTION BOX for DTP3, DTP7H, DTP10

- Easy connection (Using standard cable)
- Robust and noise protect

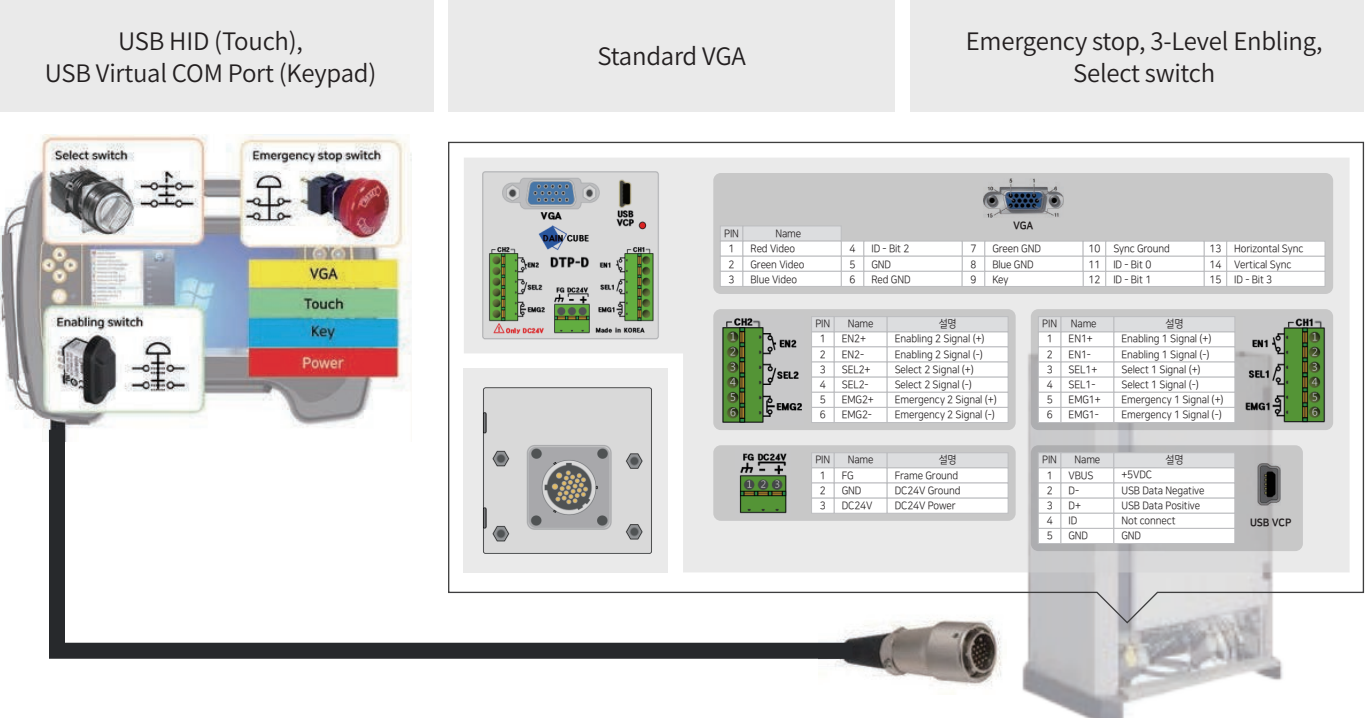
DTP-E J/B (DTP-CUE-JB)

DTP7H/10-P/W/L type Junction box



DTP-D J/B (DTPH-CUD-JB)

DTP7H/10-D type Junction box



ROBOT MOTION CONTROLLER
(DTP7H/10-coreCon™, DMC-coreCon™)



FEATURES

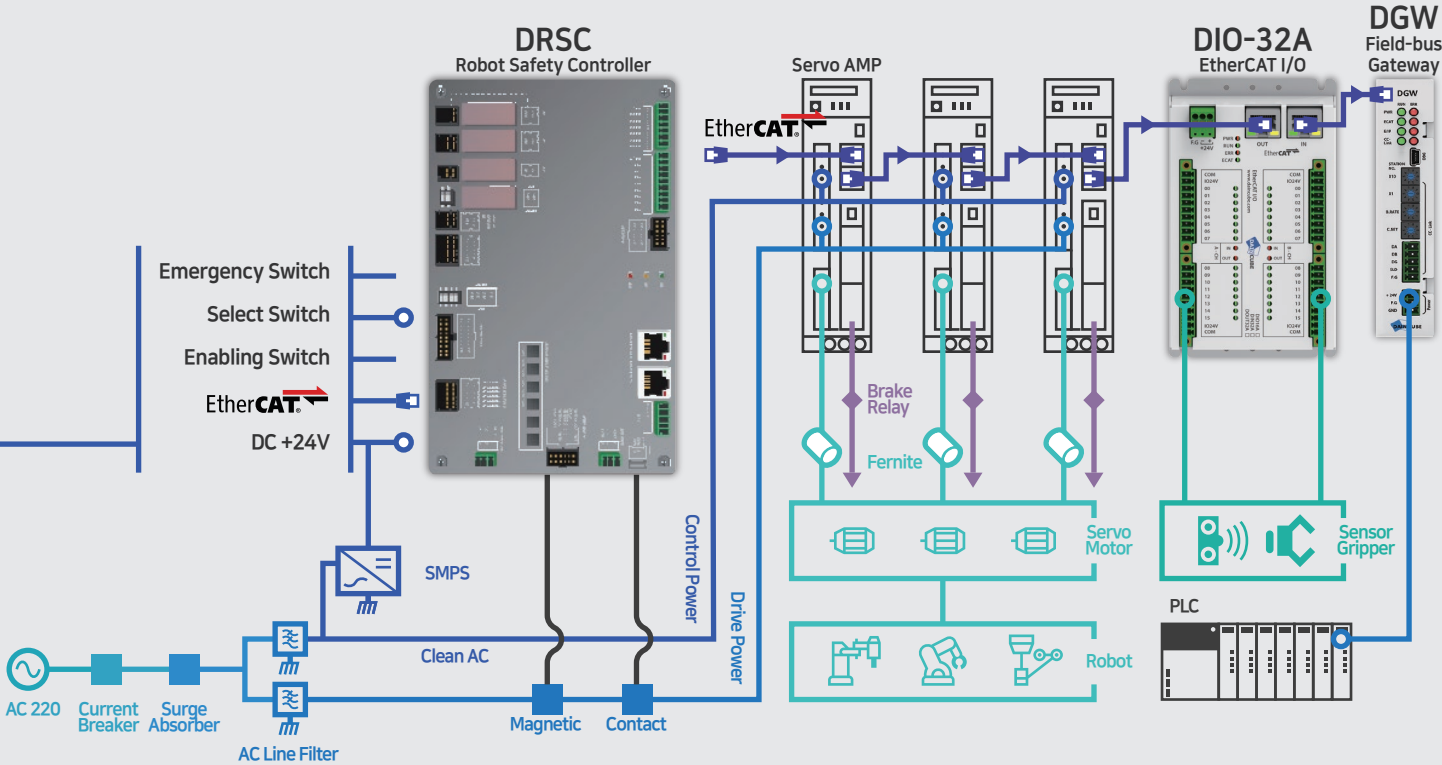
Table with 3 columns and 2 rows detailing features like Robot motion controller for Multi-Axis, Delta, SCARA, Cartesian and Collaborative robots, Embedded ARM processor based, Various robot language function, and Real-Time, High speed synchronized communication.

EASY SETTING

Diagram showing Select Robot Type, Driver Spec, Dimension, Work Range, and Jog settings for the robot controller.

EASY USING

Three screenshots of the robot controller interface: Jog, Program, and Run modes.



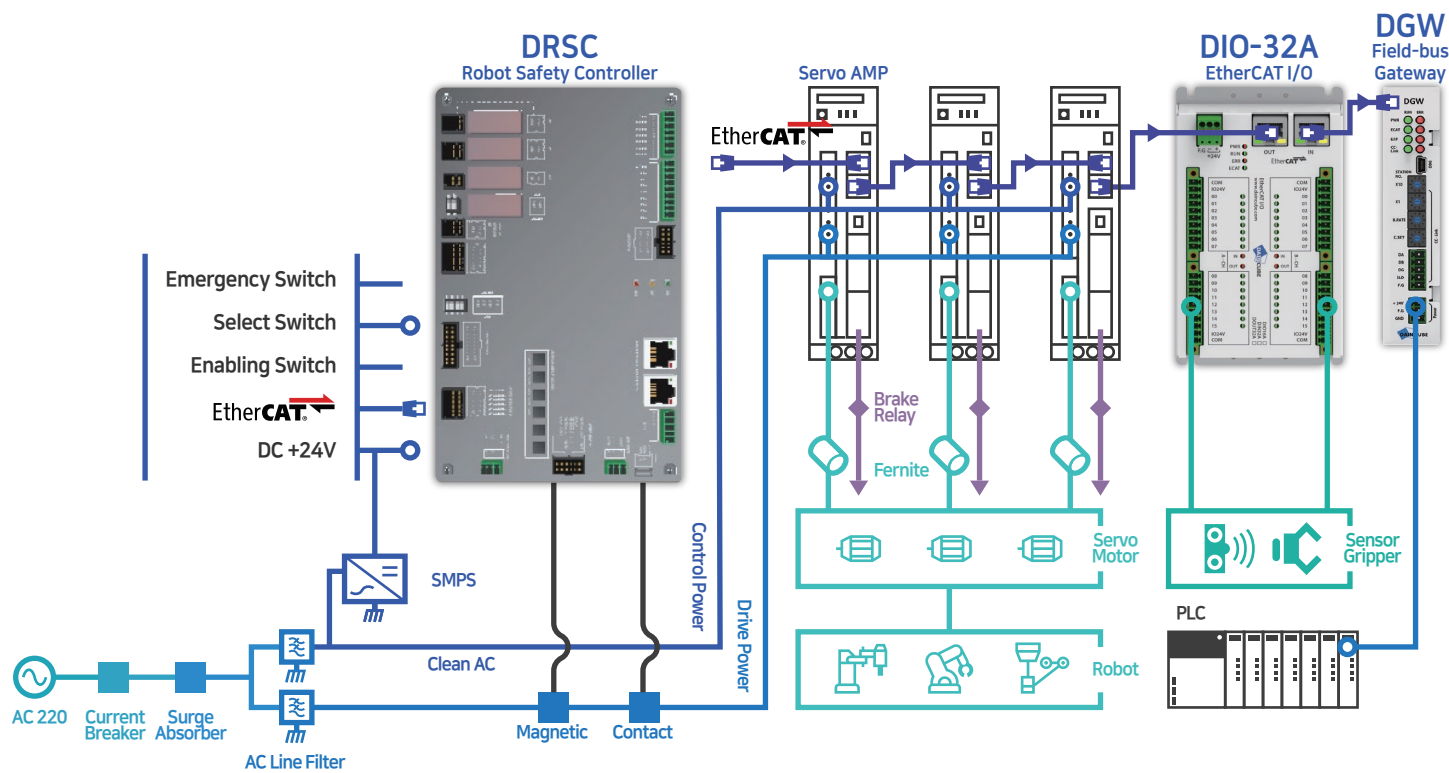
HARDWARE SPECIFICATIONS

Table with 4 columns: Model Type, DTP7H-coreCon, DTP10-coreCon, and DMC-coreCon. Rows include CPU, Memory, Storage, OS, Graphics, Touch, LED / Key pad, Switch, Power Supply Voltage, RTC, Communication, External Storage, and Cooling Method.

SOFTWARE SPECIFICATIONS

Table with 2 columns: Feature and Description. Rows include Controller (EtherCAT Interface, Network, Emergency, User Interface, Jog Key Interface, Robot Kinematics), Safety Features (Emergency Stop, Enable Switch, Teach Lock), IO Command (Special Function), and Robot Function & Language (Operation Mode, Program Execution, Coordinate System, Speed Settings, Motion Command, Multi-task, CP (Continuous Path), IO Command, Program Control Instruction, Variable / Array, Jog, Program Editor).

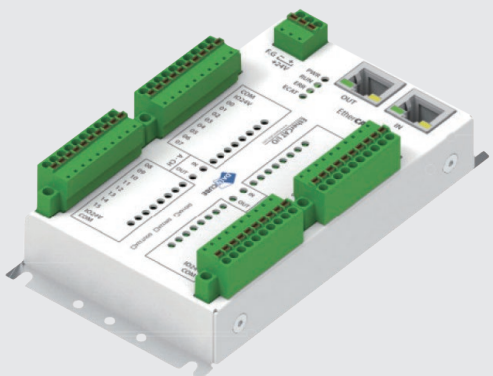
Safety, EtherCAT I/O & Fieldbus Gateway



DIO-32A™

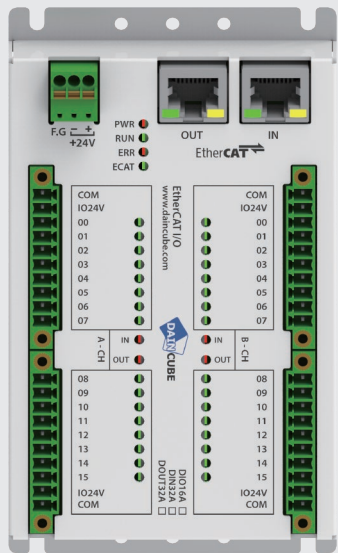
EtherCAT I/O

- Adopt European terminal block that is easy to put on and take off
- Two isolated 16 port I/O modules are freely selectable
- Wide I/O input power (Max. 30V_{dc}), Supports 350mA (ch) transistor output
- EtehrCAT dedicated I/O module
- Bi-directional input port, NPN transistor output port support
- Built-in reverse voltage, overcurrent and overheat protection



SPECIFICATIONS

Model Type	DIO-32A (Common)		
	IO: 16/16	IN: 32	OUT: 32
Power Supply Voltage	100mA (Max) @ +24Vdc ± 10%		
Environment	Operating temperature: 0°C to 50°C, Storage temperature: -20°C to 70°C, Humidity: Max 85% (Non-condensing)		
Appearance	Size: 136 x 80 x 37.5 mm, Weight: 365g (Max)		
Communication	EtherCAT Slave		
Distance	100m (Max. 100 Pase-TX)		
Cycle Time	250 us		
Speed	100 Mbps		
Channels	Input: 16-ch, Output: 16-ch	Input: 32-ch	Output: 32-ch
Input Voltage	Logic 0: 6.5Vdc (Max) Logic 1: 8.5Vdc (Min)	Logic 0: 6.5Vdc (Max) Logic 1: 8.5Vdc (Min)	-
Output Voltage	11 ~ 30Vdc	-	Input: 8-ch / Output: 6-ch
Load Current	500mA / ch (Sink) @ 25°C 350mA / ch (Sink) @ 60°C	-	500mA / ch (Sink) @ 25°C 350mA / ch (Sink) @ 60°C
Isolation Protection	3750 Vrms (Min)		
Delay Time	100 us		
Connectors	8-PIN 3.5mm terminal x 4 (I/O), 3-PIN 3.5mm terminal x 1 (Power), RJ-45 x 2 (EtherCAT)		



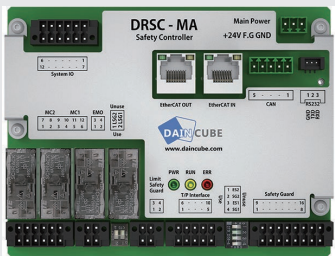
DRSC™

Safety Controller

- Cables are perfectly organized through “H/W Safety logic”
- Safety status be sent to controller via EtherCAT, CAN, RS-232 communication
- Maximum deceleration stop function for Emergency stop
- Certification: S-Mark (EN ISO 13849-1 PL=d Cat.3) / KC, CE, ISO 9001, ISO 14001

SPECIFICATIONS

Model Type	DRSC-HA	DRSC-MA
Communication	Host: EtherCAT (Slave) x 1, ^(☆) CAN x 1, RS-232 x 1	
Certification	EN ISO 13849-1 (S-Mark), EMC/EMI (CE)	
Safety Channel	Input: Dual Emergency Stop / 3-Level Enabling Switch, Dual Safety Guard, Dual Over Travel Limit Switch Output: Safety Outputs (MC&EMG)	
System I/O	Input: Motor On / Run / Error Clear Switch Output: Motor On / Run / Error Lamp	
Power Supply Voltage	DC +24V ± 5%, Max 500mA	
Environment	Operating temperature: 0°C to 50°C, Storage temperature: -20°C to 70°C, Humidity: Max 85% (Non-condensing)	
Dimension [mm]	236 x 137 x 36	143 x 126 x 59
Mounting	Wall Mount	DIN Rail Mount
Digital I/O	Input: 8-ch / Output: 6-ch	-
Brake	Built-In brake circuit (Max. 6Axis)	-



DRSC-MA™

(☆): Option

DGW™

Fieldbus Gateway

- CC-Link(Slave) to EtherCAT(Slave) Gateway
- EtherNet/IP(Scanner) to EtherCAT(Slave) Gateway
- Minimize cable connections
- Robot Motion Controller can be to main PLC
- Certification: KC, CE, ISO 9001, ISO 14001
- “Passed” CC-Link conformance test

SPECIFICATIONS

Model Type	DGW-CE	DGW-IE
Power Supply Voltage	DC +24Vdc ± 5%, Max 300mA	
Environment	Operating temperature: 0°C to 50°C, Storage temperature: -20°C to 70°C, Humidity: Max 85% (Non-condensing)	
Converter	CC-Link to EtherCAT	EtherNet/IP to EtherCAT
Dimension [mm]	25 x 119 x 110	
Mounting	DIN Rail Mount	
Digital I/O	-	
	DGW Communication	
Field-bus	CC-Link	EtherNet/IP
Type	Slave	Slave
Data Size	96/96 bit ~ 2944/2944 bit (IN/OUT)	Depending on the data size of EtherNet/IP
Speed	156 Kbps ~ 10 Mbps (Changed by switch)	100Mbps
Version	1-1 or 2.0 (Changed by switch)	-
Station Number	1 ~ 64 (Changed by switch)	-
Occupied Station	1 ~ 4 (Changed by switch)	-



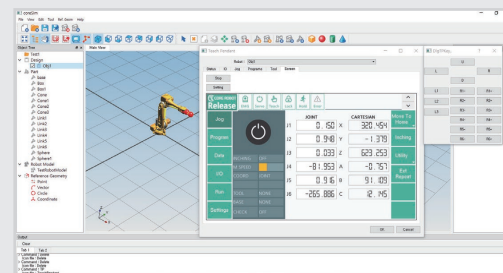


FEATURES

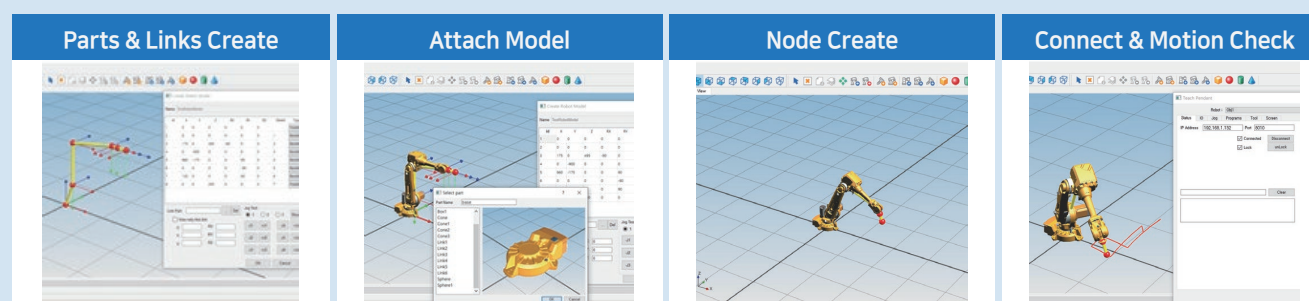
- Safety Zone Dynamic View
- 3D Robot Motion View (Multi & Single)
- 3D Object View
- Robot Link & Object Creating
- STL / VRML File & Object Attaching
- Robot Status Checking
- Macro File Programming
- T/P Remote Control (Multi & Single)

Remote Control Operation & Settings

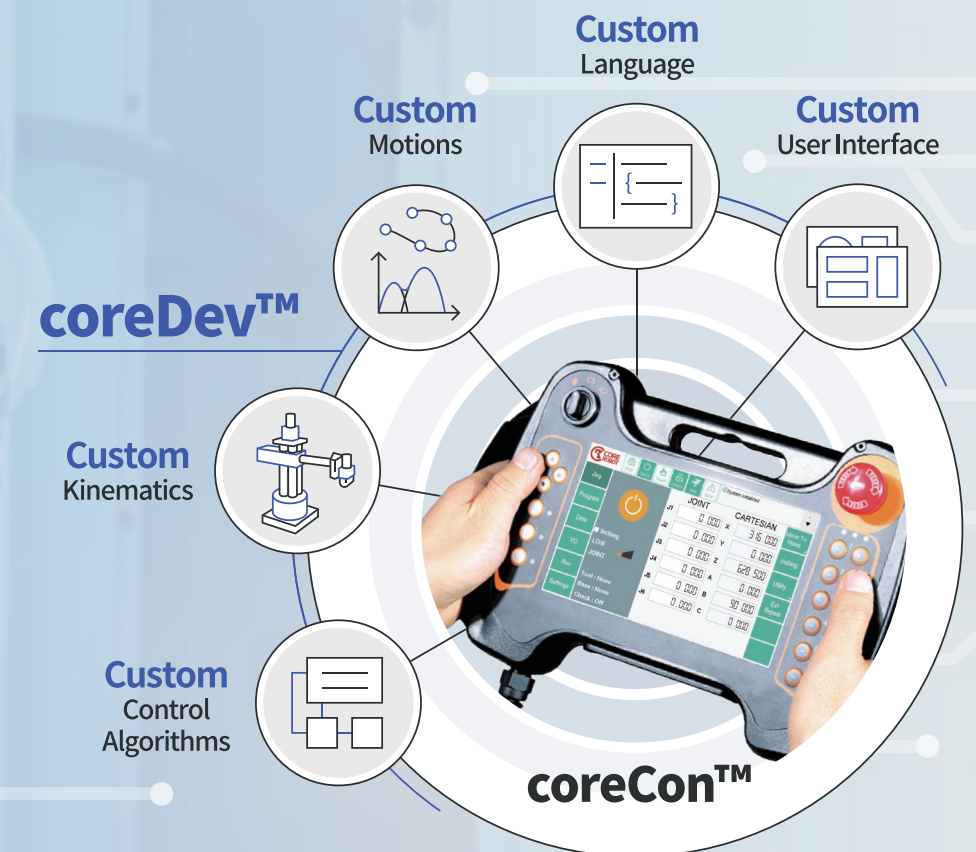
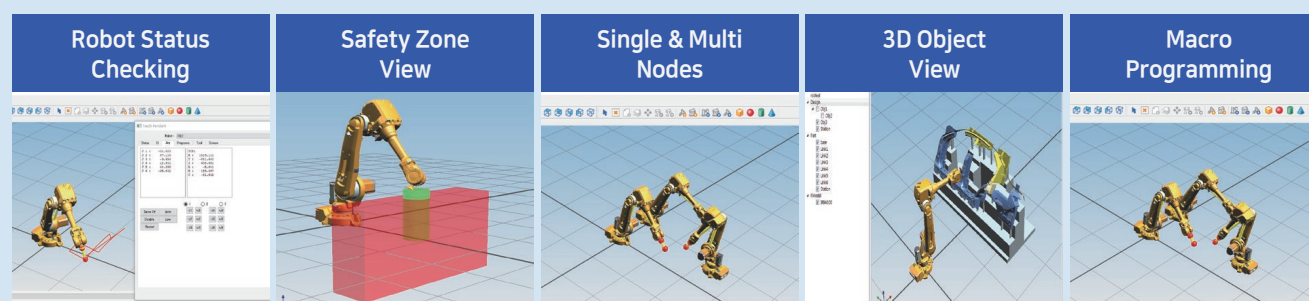
- Jog key operation
- Touch Press, Release, Move operation
- Cursor On / Off
- Screen Timer setting
- Mouse position calibration setting



EASY SETTING

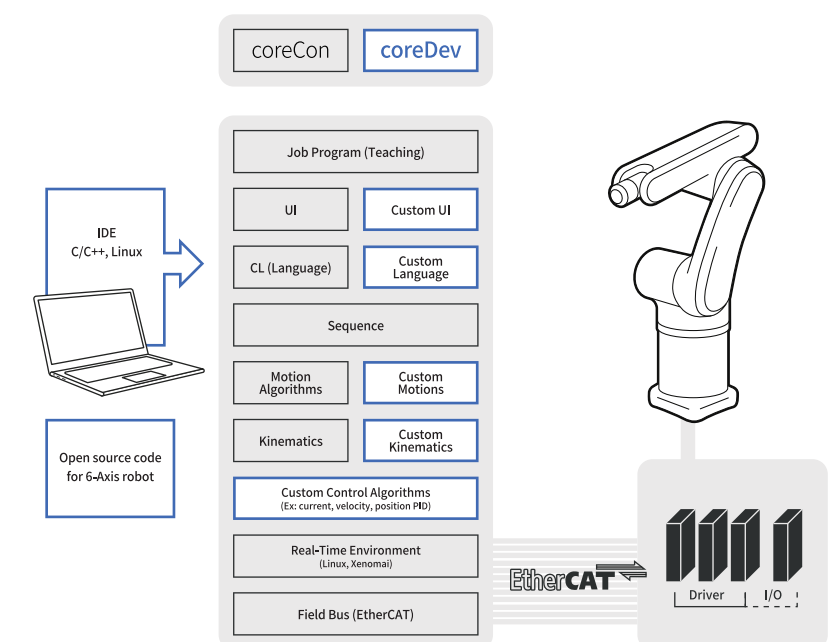


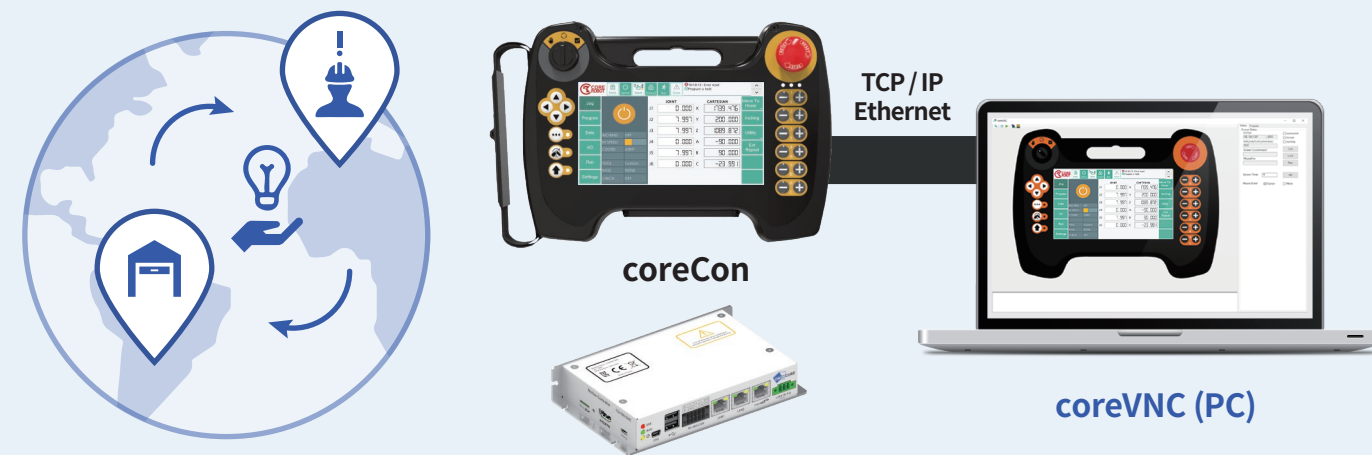
EASY USING



Custom Algorithms with coreDev

- **Custom UI**
User-specific UI with custom design
- **Custom Language**
Custom language and command change
- **Custom Motions**
Interface for user motions such as cubic / B-spline, open motion lib(OMPL) other than built-in trapezoidal and s-curve motion profiles
- **Custom Kinematics**
Forward/inverse kinematics for user designed robots such as redundant robot or cobot etc.
- **Custom Control Algorithms**
Supports for torque based controller such as the impedance control or the gravity compensation

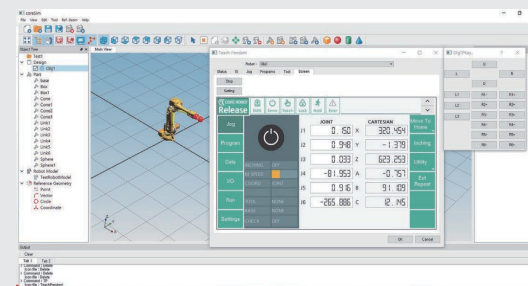




FEATURES

- Clients or partners, and business travelers
- Save time and cut travel costs for onsite, in-person service calls and maintenance
- Reduce the risk of shipping damage to coreCon sent to repair facilities
- Improve first-call resolution rates
- No complicated steps for people receiving support

Fix coreCon Issues Remotely, With Zero Hassle!



Simple Solution for coreCon's Remote Support



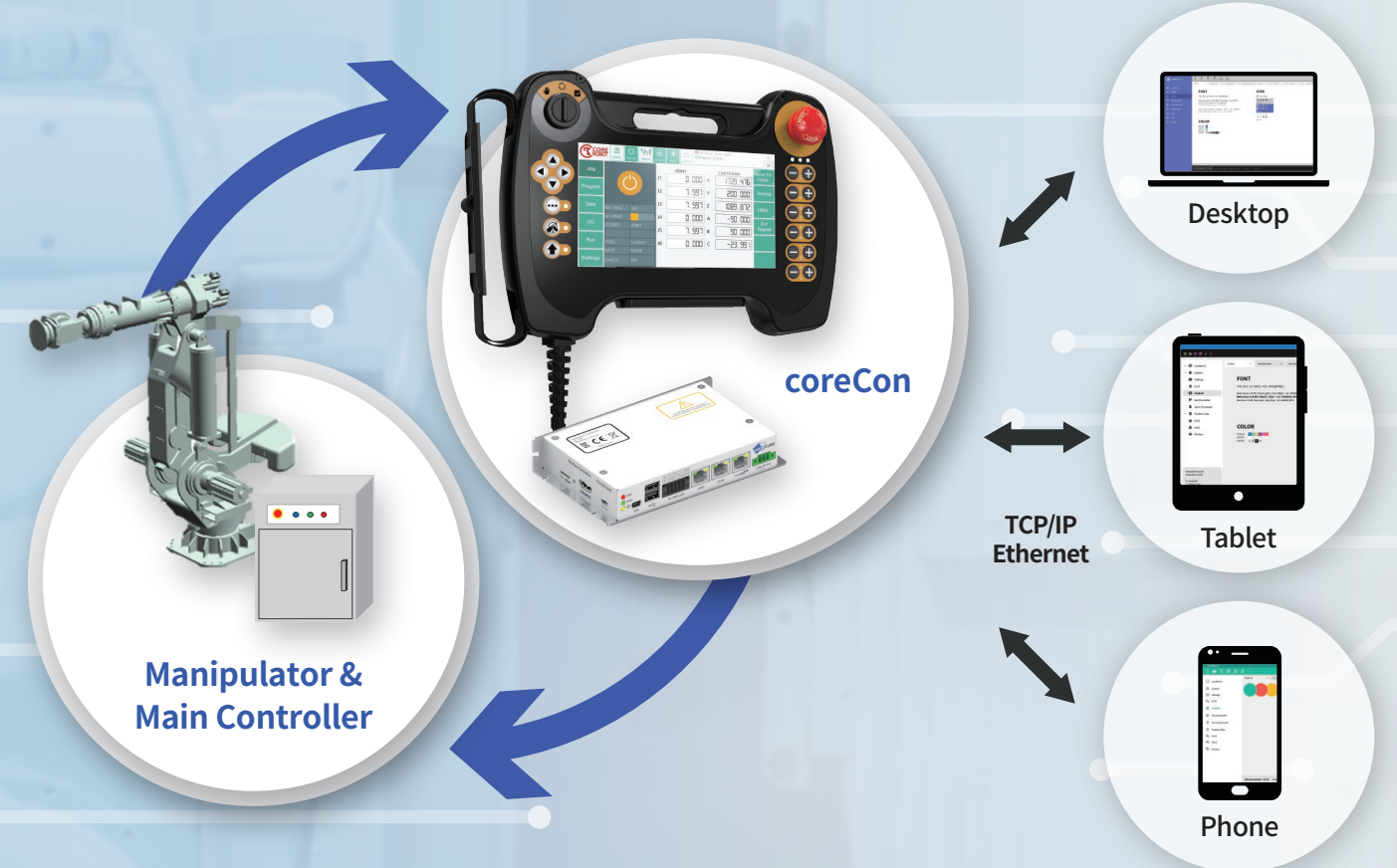
Transfer files securely



Cross-Platform Access



Make UI & maintenance



Custom with coreSim API & Protocol

1 Remote control

- Remote control is possible regardless of the device.
- It is a protocol for all devices capable of TCP/IP communication.

2 Monitoring

- Monitoring is possible regardless of the device.
- Multiple devices can be connected simultaneously for monitoring.

3 Easy make Controller UI

- You can create a UI that can easily operate the robot using API and Protocol.

get / set	기능 목록
get	Robot Status
	Safety zone data
	Position / Velocity / Torque Data
	Screen Image
set	Program List / step List
	Operation
	DI / DO / AO
	Program / Step Number Set
	Program Load / Unload
	Task operation (All Command & command set)
	Variable setting
	Motion operation
	Execute command

Interface examples written by C#, C++, etc..