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ALL-IN-ONE AUTOMATION SOLUTIONS WITH A PLC AND OPERATOR INTERFACE. ANALOG I/O AND A GLASS PCAP TOUCHSCREEN INCREASE THE ADAPTABILITY AND DURABILITY RESPECTIVELY.

FT1J/FT2J series

The FT1J and FT2J are versatile, integrated automation solutions. They combine a controller and operator interface in a compact design. These units require as little as a third of the installation space needed for a PLC and HMI. They also use less power than separate units and have a battery-free design.

SWITCHES

SAFETY

PANEL

AUTOMATION



MAIN APPLICATIONS

The FT1J and FT2J are ideal for small-scale, stand-alone applications:

- Laboratory and testing equipment
- Conveyors (production lines)
- Environmental chambers and autoclaves
- Food machinery (processing/packaging)
- Greenhouses and agriculture
- AGVs/AMRs
- Extreme (high/low) temperature environments

TECHNICAL FEATURES

- Immersive PCAP touchscreen display (FT1J: 4.3 inch, FT2J: 7.0 inch)
- Tempered glass for environmental resistance and durability
- High water resistance (IP66F/IP67F)
- Wide operating temperature range (-20 to +55°C)
- Dual CPU configuration (control and HMI functions) for high-speed processing



FT1J/FT2J

AN INTEGRATED HMI AND PLC IN A COMPACT STRUCTURE

CUSTOMER BENEFITS

- Space efficiency: control and display functions in units that take up less space than a separate PLC and HMI.
- Power savings: both units consume less power than the corresponding combined PLC and display units.
- Reinforced glass PCAP touchscreen: durable, with UV resistance for high visibility.
- Quick, easy wiring: vibration-resistant push-in terminal blocks save time.
- OI and ladder programming: both in one software program. Updates and technical support are free.

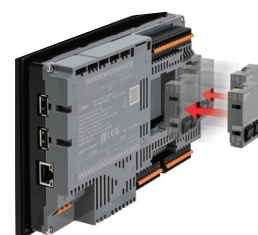
END-USER EXPERIENCE

- Separate CPUs for the HMI and control functions maintain processing speed.
- Slim bezel design helps increase the display size.
- Touch panel supports multi-touch sensing, can be operated with gloves up to 1.5mm thick*, and prevents accidental input by water droplets.
- Portrait or landscape display keeps vital information on screen.

* The touchscreen may not work with gloves less than 1.5mm thick, depending on the material or environment. Check the operation in the actual environment or under similar conditions.

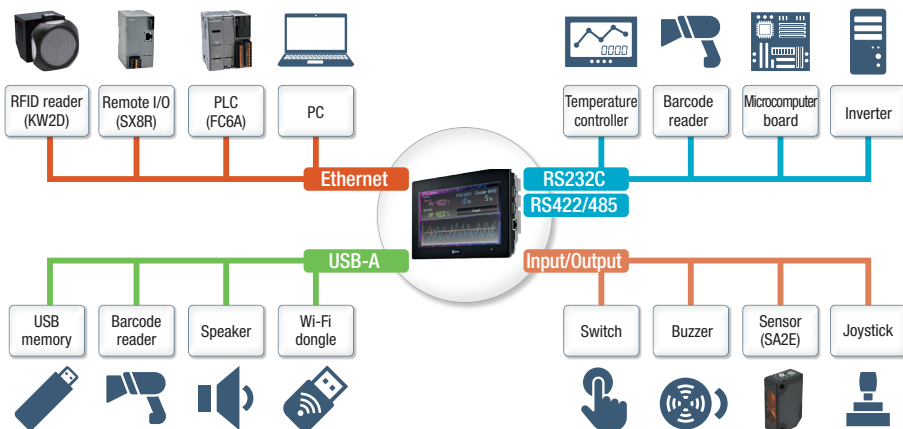
WIDE RANGE OF CONTROL AND PROGRAMMING FUNCTIONS

- Built-in analog I/O for controlling signals from 0 to 10V DC or 4-20mA with 12-bit resolution
- Connect up to 2 digital/analog I/O cartridges for up to 8 more digital I/O and 4 more analog I/O
- PID control for precise temperature, flow, and/or pressure management
- Simultaneous views of OI and ladder programming
- Image library, user communication function for custom protocols, script function, simulation mode



COMPATIBILITY WITH NUMEROUS SYSTEMS AND DEVICES

- USB-A ports, serial ports (RS232C and RS422/485), Ethernet port, removable expansion cartridges
- IoT functionality, seamless communication with external devices
- Compatible with MQTT, EtherNet/IP, Modbus TCP, and PLCs from other makers
- Dedicated app, Wi-Fi, web server, email function, social media integration, remote maintenance and more



FT1J OR FT2J: WHICH ONE TO CHOOSE?

FT1J

- Compact 4.3 inch display
- Weight: approx. 300g
- TFT color LCD (16.77 million colors)
- Up to 22 I/O points (analog and digital)

FT2J

- Immersive 7.0 inch display
- Weight: approx. 600g
- TFT color LCD (65,536 colors)
- Up to 30 I/O points (analog and digital)

Visit the product page

Consult the brochure

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