



Even a small HMI can resolve difficult problems of IoT.

GP4100 series case examples



Processing

Assembly (Robot)

Assembly (Human)

Inspection

Acquire information connecting [New, Old, Future] and [Human, Things, Machine].

Start small, but realize IoT with GP4100 series.

Connect to any device by supporting a range of drivers.

No. 1 driver support in industry



Manage data via USB even on a small HMI.

USB flash drive supported



Collect data in real time on a PC without depending on hardware.

Pro-Server EX



Monitoring software for checking machine information on a tablet or smartphone.

Remote HMI



<Introducing HMI for large-sized equipment> Compact operation panel by mounting a sub HMI

Before

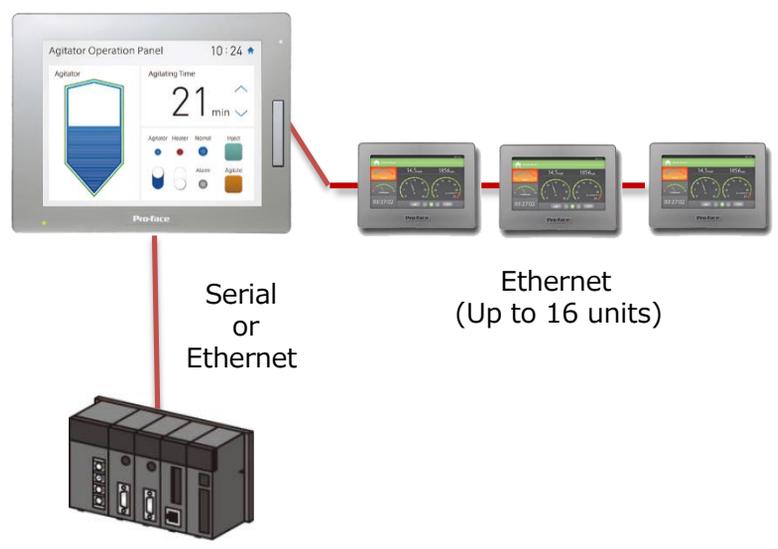
A sub control panel is installed away from a main control panel. More cabling because of switches and lamps. Hard to change the design.

After

A small-size HMI is mounted as a sub HMI. Less cabling because of connection via an Ethernet cable. Flexible screen design is possible.

System Configuration

Pro-face allows you to connect multiple small-size HMI units on Ethernet. (Ether multilink)

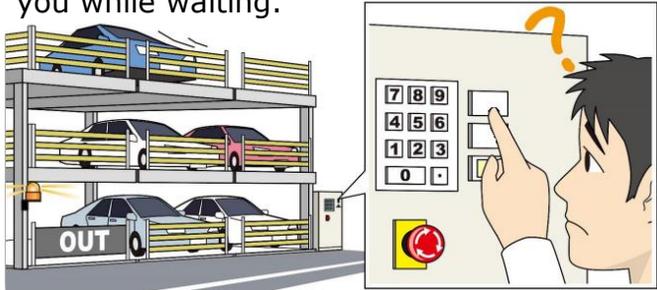


* Get a HUB available.

<Introducing HMI for equipment installed in a parking lot>
 Stress free by displaying a state in an easy-to-see figure.

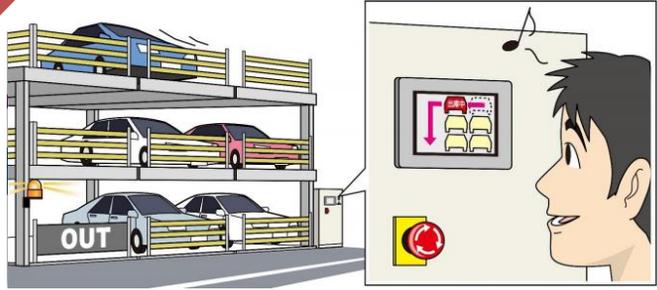
Before

In a configuration of a flat membrane keyboard and a lamp, you have to change the operation panel according to a parking lot. You never know location of your car or time for loading and unloading. That irritates you while waiting.



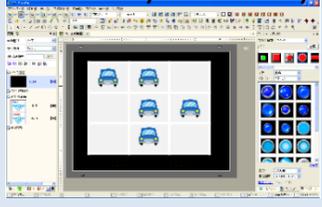
After

Able to create a screen of loading and unloading with an easy-to-see figure. You can wait checking status. Stress free now.



System Configuration

Using screen-creation software, GP-Pro EX, edit the layout easily.

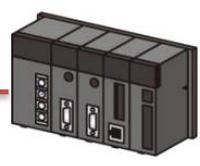


The number of supported drivers is the biggest in industry. Able to connect to a range of PLCs or temperature controllers without any programming.

Communicate with a PC or microcomputer via memory inside of HMI – Memory-link Method is available. -



Serial or Ethernet



PLC



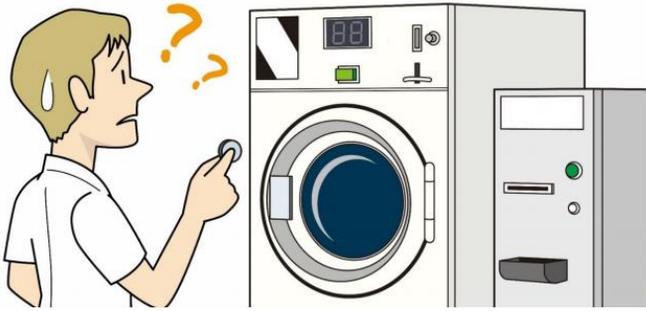
Microcomputer board.

<Introducing HMI for consumer equipment>

Easy-to-see operation guide for foreigners with multiple language display

Before

Much more visitors from overseas for sightseeing or business. But, in most facilities or equipment which they use during their medium to long stay, Multilanguage display is not ready yet.



After

GP4100 can display operation methods in Multilanguage and easily connect to a controller in equipment.



System Configuration

Use the Multilanguage feature of screen-creation software, GP-Pro EX.

Easy settings to switch languages. With Pro-face, easily paste texts input on Excel to screen-creation software.



Serial
or
Ethernet



PLC



Microcomputer
board