# Seamless Authentication with UHF RFID Reader

## Designed for End users in Production Management, Machine Builders & Machines in Multi-Operator Environments

### COMMON ISSUES

**Access Control & Error Prevention**

Customers need user-level screen control to:

- Reduce operator errors.
- Block unauthorized access to machine settings and data.

**Touchscreen Usability with Gloves**

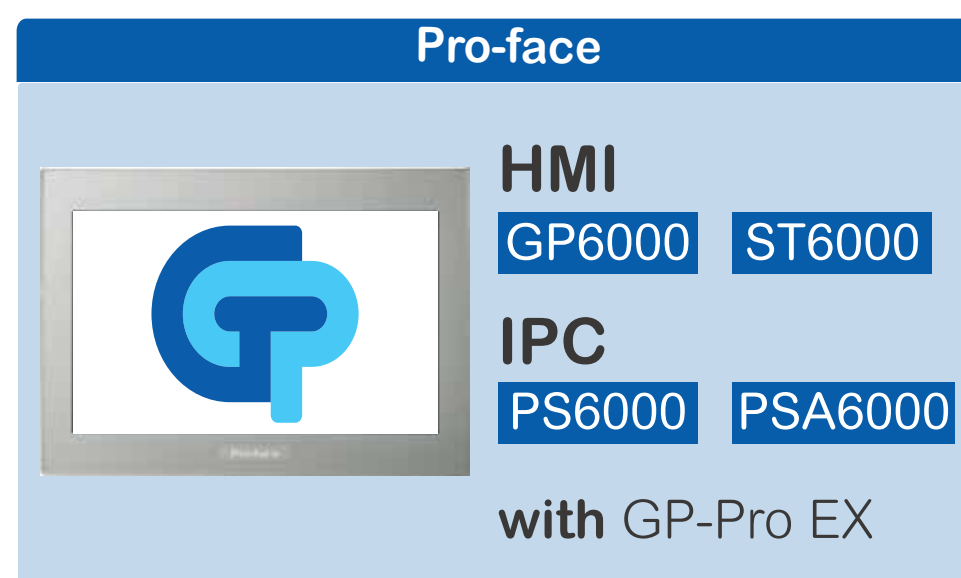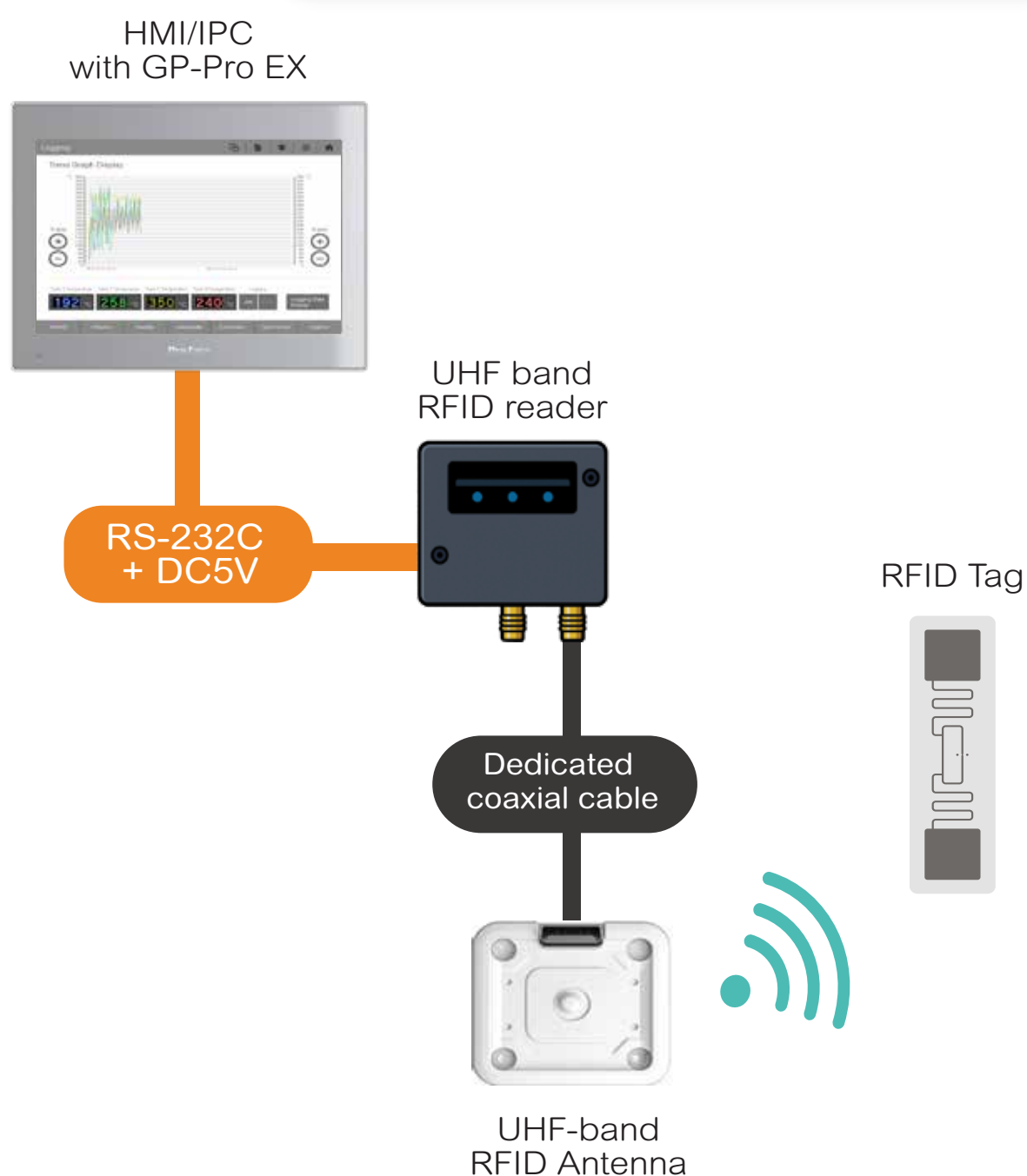Glove use in production makes touchscreens hard to operate, causing:

- Workflow inefficiencies.
- Dependence on physical buttons or alternative inputs.

**Pro-face™**
by Schneider Electric

# OUR SOLUTION

Operator Menu
Power Demand value  50

Admin Menu
Power Demand value  50

Operator A

Admin

- When an operator, maintainer, or administrator comes within 30–50 cm of the system, their access level is authenticated via RFID.
- The HMI automatically adjusts its security level and displays the corresponding screen.
- If multiple users with different access levels approach simultaneously, the interface defaults to the lowest access level.
- During maintenance, the screen can be locked to prevent unintended operation by others, reducing the risk of accidents.

# SYSTEM ARCHITECTURE

HMI/IPC
with GP-Pro EX

UHF band
RFID reader

RS-232C
+ DC5V

RFID Tag

Dedicated
coaxial cable

UHF-band
RFID Antenna

## Pro-face

### HMI
GP6000    ST6000

### IPC
PS6000    PSA6000

**with** GP-Pro EX

**+**

### Third party

- UHF-band RFID reader
- UHF-band RFID planar antenna
- UHF-band RFID tags

proface.com

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