



BLUE Line Management Lite SCADA

Open Studio

OEM

Pharma Machine

Certification and feature for harsh environment

Customer problems / pain points addressed

IPC need to operate in harsh environment.
The machine will be spraying water on machine.
Currently separating display and box, due to lot of case used in zone 2 env.
End user demand fault tolerance solution with RAID configuration.

Requirements

- Waterproof display IPC
- Certification of zone 2 environment as whole IPC
- RAID1 feature

Solution

- P6 display protection with IP66F has given confidence to approve in cleaning process
- IECEx / ATEX for Display and Box has helped customer to keep IPC integrated on machine. This will avoid data communication delay of Box and Display
- Hot swappable RAID feature fulfill the demand specification from end users

Key Figures

Waterproof

Maintenance Time

15%
down

Washable machine by spraying will succeed to less the maintenance time

Integrated

Communication speed

15%
UP

Communication speed improve with box module and display attached directly in one machine

Fault Tolerance

Fault Tolerance

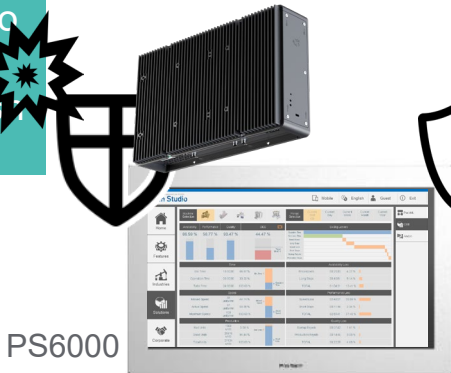
20%
up

CPU support RAID and second storage could be select when ordering.

Integrated

Explosion Proof:

Display and Box are both certified IECEx / ATEX which are able to be integrated in one machine at the harsh environment.



Waterproof

IP66F:

Valid in spraying cleaning process. P6 display certificate IP66F which allow 3min spray of 100 kPa at distance of 3m.

Fault Tolerance

RAID 1:

Same data written to several storage. Data are available, even if one of storage has been damaged.



Hot swap:

Damaged storage can change without power off.



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