



# Reduce downtime of field PCs

## Challenges and things I want to do

We would like to build manufacturing and digitalization by using **PCs at the manufacturing site.**

## Current Concerns

- At sites where equipment is operated continuously, downtime due to PC failure is likely to be prolonged.
- This PC is suitable for data collection, but I'm worried about data loss due to disk failure.
- PCs seem to have complicated recovery methods in case of failure.



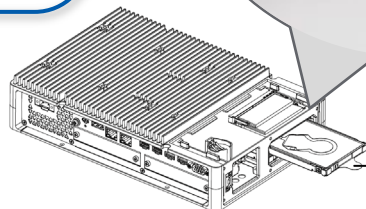
## Proposal

The PS6000 series not only uses long-life components, but also allows for RAID configuration. It also supports hot-swapping to reduce downtime.

RAID 0  
RAID 1  
RAID 5  
early  
restoration



Hot-swappable  
Downtime  
Reduction



Slot-in design for HDD/SSD

\*1 Be careful not to contact other parts (such as circuit boards) when power is supplied.

\*2 Advanced box is required to build RAID5 configuration. Also, optional storage needs to be purchased.

## Reduce downtime in the event of hardware failure

By building a RAID 1 or RAID 5, if one of the media fails, the remaining media will take its place. In addition, **hot-swapping** (disk replacement while the power is on) is possible, so you can replace failed media and rebuild the RAID while the system is running. **Reduce downtime** due to disk failures.



### PS6000 can build RAID0, RAID1 and RAID5

comparison item	RAID0	RAID 1	RAID 5
fault-tolerance	-	✓✓	✓
Number of Disks Required	More than 2 units	More than 2 units	More than 3 units
Disk Space Utilization Efficiency	100%	50%	66% (3 units in use)
Initial introduction cost	small	medium	medium

#### What is RAID?

By combining multiple media (HDD, SSD, etc.) as a single disk, you can increase speed and durability. Supercomputers and corporate servers, which cannot be allowed to break, are almost always built in RAID configurations to provide hardware protection and enhanced computing performance.

## Industrial Computer PS6000 Series



PS-6000B  
advanced box



Core i7   Core i5   Celeron

PS-6000B  
standard box



Core i3



For more information on the PS6000 series, [click here](#).

Easy connection to any control device in the world IoTization of manufacturing sites, which had been a challenge, is now easily realized.

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