

PSS 5000 Forecourt Controller

A New Generation of Processor
— with more power and interfaces for the forecourts of the future



Benefits

- Cloud Ready
- Enhanced Security
- Embedded Configuration Tool
- Remote Diagnostics Tool
- Central Management

Functionality Available Today

Central Management

By introducing a secure gateway to the forecourt controller, this provides the opportunity to start to monitor devices other than those on the forecourt. This could include meters for utilities, such as electricity, or other equipment that contain electronics, for example coffee machines or fridges.

This opens the door to the "Internet Of Things" (IoT), which at present is virtually an untapped wealth of data – but its importance is growing each and every day.

By combining this access to data and the ability to transfer it to the cloud securely, it

is becoming easier and easier to gather the data to a central point. This provides greater opportunities for data mining and to micro-manage areas where systems and processes can be improved or just made more efficient.

Enhanced Performance

With the advent of the CPB539, configuration of the PSS 5000 system has been migrated from an external tool to an embedded configuration tool, which is accessed via the new web application.

Same Footprint

As with previous board upgrades, the CPB539 uses the same modular design and physical footprint as its predecessors.

This means that you are able to reuse all the components (cabinet, power supply and hardware interface modules) that you have in your existing PSS 5000 system.



This keeps your reinvestment costs to a minimum while implementing all the additional functionality and performance provided by the upgrade.

Future-ready for the Functionality Requirements of Tomorrow

Enhanced Security

With the trend of collecting more and more data globally, it is increasingly important to ensure that the data collection, transfer and storage is safe.

With the introduction of the new CPB539, the PSS 5000 now offers Internet Protocol Security (IP Sec). This means that Internet Protocol communications are secured by authenticating and encrypting each IP packet. This ensures that the data being transferred between peers or networks as well as through gateways is always protected.

Reinforcing this security, the embedded web application in the PSS 5000, which is used to control the forecourt controller and monitor the status of the other forecourt devices, has been supplemented with HTTPS. This protects your forecourt data from man-in-the-middle attacks, such as eavesdropping and tampering.

The system has also been improved by introducing Signed Software. This ensures that only software validated by Doms is able to run on the hardware; preventing altered or tampered software from being installed.

Cloud Enabled

The services offered on the forecourts of the future will demand more from their forecourt devices and, similarly, from the devices controlling them. This latest generation of PSS 5000, with its IP Sec functionality

and improved IP connectivity, acts as a secure gateway between the forecourt and Internet. This means that it is now possible to take advantage of the shared processing resources that many companies are utilizing.

