

Forecourt Control



Efficiency & Management

PSS 5000 Forecourt Controller

Base System Options

What is the base system?

The base system consists of 3 components.

> CPU Board Options:

- High performance CPU with 8 serial ports, enabling communication with a large number of devices, which use different protocols.
- Cost effective CPU with the same functionality as the high-end version, but has a reduced number of ports. Still supports multiple protocols and interfaces but has lower performance.

> Cabinet options:

- Standard version with cable grommets. Enough space for up to 14 hardware interface modules and associated electrical connections.
- Standard version with conduit grommets. Space for multiple hardware modules and thick-core cable connections.

- Compact version with cable grommets. Low cost housing for a reduced number of modules and associated connections.

> Power Supply options:

- 230 V version
- 120 V version

These components are available in 6 combinations.

High performance - Flexible



This base system has the powerful CPU board, which provides a fast, stable platform that can satisfy the demands of the large, multi-device forecourts. It is mounted in a cabinet large enough to house the hardware interface modules required to communicate with the large number of forecourt devices. The power supply is determined by the local conditions.

Entry Level - Flexible

If the forecourt has only a few devices, then the cost effective CPU board can be used. When mounted in the standard cabinet, this reserves wall space for later expansion and upgrades. This is an ideal solution for small sites where the numbers and types of devices may increase later. A simple upgrade of the CPU board, without requiring changes to the existing installations, is available.

Entry Level - Low Cost

For small, static forecourts (few devices and no expansion plans) a small economical version of the base system is available. With the cost effective CPU board mounted in a compact cabinet, it provides the same functionality as the other versions and enough space for a reduced number of hardware interface modules.

| Parameters | CPU Board Versions | |
|------------------------------|---|---|
| | CPB505 | CPB509 |
| CPU Specifications |  |  |
| CPU type | ColdFire MCF5307 | ColdFire MCF5307 |
| Bus (performance) | 16 bit | 32 bit |
| Flash | 8 MB | 16 MB |
| SRAM | 2 MB | 4 MB |
| Backup Battery | 14 days | 14 days |
| Port Types and Number | | |
| DSB | 3 (standard) | 4 (std) + 1 (hi-speed) |
| DMB | 1 (standard) | 2 (std) + 1 (hi-speed) |
| Ethernet | 1 | 1 |
| Service (RS232) | 0 | 1 |
| LON Extension Socket | 1 (option) | 2 (option) |

| | Cabinet Versions | |
|----------------------------------|--|--|
| | Standard - cables* | Compact |
| Dimensions (H x W x D) | 600 x 200 x 124 mm (23.5 x 7.9 x 4.9 in) | 363 x 200 x 100 mm (14.3 x 7.9 x 3.9 in) |
| Max. no. of single width modules | 14 | 6 |
| CPU Board | CPB505 or CPB509 | CPB505 |
| Cabinet Material | Metal | Metal |
| Weight | 8 kgs (17.6 lbs) | 5 kgs (11 lbs) |
| Approvals | CE, UL | CE, UL |
| Hinged Door | Yes | Yes |
| No. of grommets | 17 (cables) | 9 (cables) |

* Conduit option also available (4 grommets)

| | Base System Versions | | | | | |
|----------------------|----------------------|-----------|-------------|-------------|---------|---------|
| | 140925 | 141994 | 140232 | 142318 | 142423 | 142424 |
| CPU Board version | CPB509 | CPB505 | CPB509 | CPB505 | CPB505 | CPB505 |
| Cabinet version | Std cable | Std cable | Std conduit | Std conduit | Compact | Compact |
| Power Supply version | 230 V | 230 V | 120V | 120 V | 230 V | 120 V |

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For efficient control and management of your petrol station forecourt