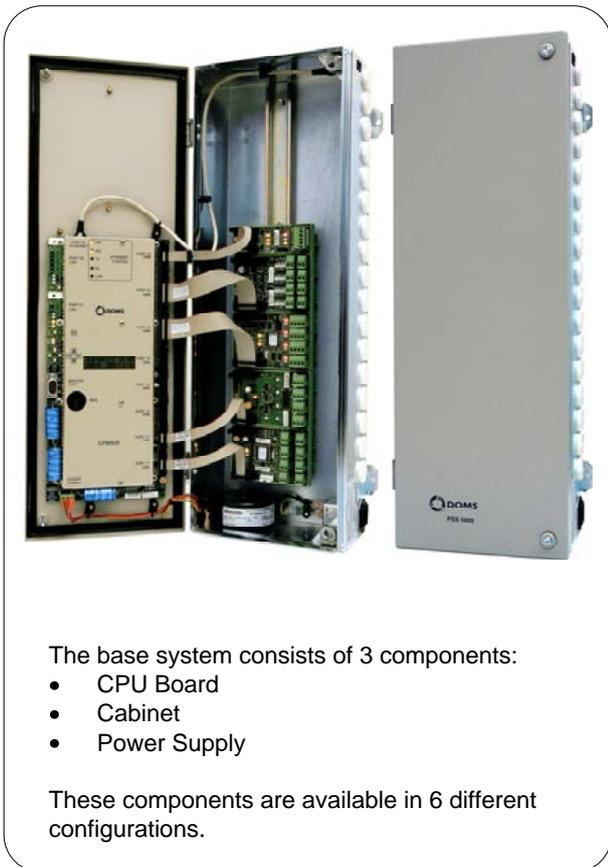
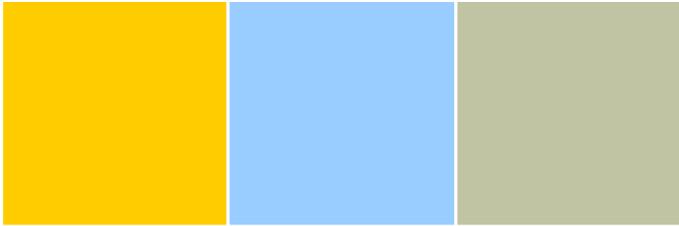


# PSS 5000 Forecourt Controller

## Base System Options



The base system consists of 3 components:

- CPU Board
- Cabinet
- Power Supply

These components are available in 6 different configurations.

### 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 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

### 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 base system is an ideal solution for small sites where the numbers and types of devices may increase in the future. A simple upgrade of the CPU board, without requiring changes in 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.

## Specifications for the Base System's CPU Boards and Cabinets

Parameters	CPU Board Versions	
	CPB505	CPB509
<b>CPU Specifications</b>		
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
		
<b>Port Types and Number</b>		
DSB	3 (standard)	4 (standard) + 1 (high-speed)
DMB	1 (standard)	2 (standard) + 1 (high-speed)
Ethernet	1	1
Service (RS232)	0	1
LON Extension Socket	1 (option)	2 (option)

	Cabinet Versions		
	Standard - cables	Standard - conduits	Compact
Dimensions (mm) (HxWxD) (inches)	600 x 200 x 124 (23.5 x 7.9 x 4.9)	600 x 200 x 124 (23.5 x 7.9 x 4.9)	363 x 200 x 100 (14.3 x 7.9 x 3.9)
Max. number of single-width modules	14	14	6
Cabinet material	Metal	Metal	Metal
Weight	8kg (17.6 lbs)	8kg (17.6 lbs)	5 kg (11 lbs)
CE + UL approved	Yes	Yes	Yes
Hinged door	Yes	Yes	Yes
No. of grommets	17 (cables)	4 (conduits)	9 (cables)
			

	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	120 V	120 V	230 V	120 V