

---

# Single Board Computer SBC454 / SBC455

---

Enabling 3rd party applications inside a PSS 5000 Forecourt Controller

---



Building Better Business



## 3<sup>rd</sup> Party Applications

Installing 3rd party applications, such as an Electronic Payment Server, on a Single Board Computer (SBC) inside the Forecourt Controller ensures that the forecourt remains fully functional even when the Back Office PC is not operational.

## Better Security

Placing the applications on the SBC mounted in the PSS 5000 standard cabinet instead of on a PC increases protection against access from non-authorized users.

## Upgrade Kits

2 variants are available when upgrading a PSS 5000 with a Single Board Computer: SBC454 or SBC455.

Both models have the same processor, number of ports and physical dimensions; they differ only in the amount of memory that comes as standard on each model.



### Specifications – SBC454 / SBC455

| Single Board Computer *  | CPU                      | Intel Atom, Dual-core 1.33GHz processor |          |                                    |
|--------------------------|--------------------------|---|----------|------------------------------------|
|                          | Memory                   |   | SBC454   | SBC455                             |
|                          |                          | RAM                                     |          | 1 x 2GB DDR3 SDRAM (max. size 4GB) |
|                          | mSATA                    |   | 1 x 16GB | 1 x 64GB                           |
| Ports                    | Ethernet                 | 1 x 1GbE                                |          |                                    |
|                          | USB                      | 1 x USB 3.0 + 1 x USB 2.0               |          |                                    |
|                          | Serial                   | 1 x RS232/RS422/RS485                   |          |                                    |
|                          | VGA                      | for configuration purposes              |          |                                    |
|                          | Display                  | for configuration purposes              |          |                                    |
| Temperature (operating): | - 30° to + 55° C         |   |          |                                    |
| Humidity (operation):    | 5% to 95% non-condensing |   |          |                                    |
| Power supply:            | 12VAC nominal            |   |          |                                    |
| Dimensions:              | 176 mm x 160 mm x 30 mm  |   |          |                                    |

### Ordering Information

#### Single Board Computer Options

| Model  | RAM | mSATA | Part Number |
|--------|-----|-------|-------------|
| SBC454 | 2GB | 16GB  | 145420      |
| SBC455 | 4GB | 64GB  | 145553      |

#### Contents of SBC Kit

- 1 x SBC (with mounting nuts and washers)
- 1 x 230VAC Transformer, dual 12VDC out (with mounting bolt)
- 1 x Fuse connection board (with mounting bolt)
- 5 x Cable ties
- 1 x Installation Guide

\* The Single Board Computer (SBC) is delivered without an Operating System (OS). It is the customer's responsibility to acquire, install and support both the OS and the applications they install on the SBC.