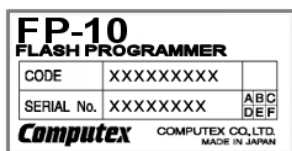


About FP-10 (model PS)

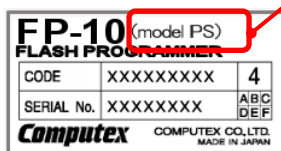
The FP-10 has been upgraded to FP-10 (model PS) with additional functionality. The new FP-10 (model PS) will be available after February 15, 2018. The product name, price and product code remain the same. To include new features, the target interface specification has been changed, but the SWJ-PRB-MIL20-20HP (20 pin 1.27 mm pitch connector conversion adapter), SWJ-PRB-MIL20-10HP (10 pin 1.27 mm pitch connector) can be used without any changes. **Also, the 20-pin 2.54 mm pitch connector (standard attached cable) can be used without changing the conventional target interface, but care needs to be taken about GND.**

How to distinguish

FP-10 and FP-10 (model PS) can be distinguished by the seal on the back of the main unit.



In case of FP-10



In case of FP-10(model PS)

Model name "(model PS)" is stated.

New features of FP-10(model PS)

Power supply function

Power supply (3.3V/5V 200 mA) to the target can be provided from FP-10.

External input / output function

3.3V input/output I/F has been added for controlling FP-10 through external equipments.

Associated software

In order to use FP-10 (model PS), you need to use C-Flash for FP / C-Flash for FP-E V1.61.00 or later.

Target interface

Target interface specification of the 20 pin 2.54 mm pitch connector has been changed. Other interface specifications remain unchanged.

Changed pins

Please note that the connections of the following 5 pins have changed:

Pin 2	X3.3V in case of FP-10 (model PS). 3.3V output that can be used as power supply for the target.
Pin 16	EX33_BSY in case of FP-10 (model PS). Please note that appropriate changes need to be made if this pin was used as the only GND in case of FP-10.
Pin 18	EX33_Ok in case of FP-10 (model PS). Please note that appropriate changes need to be made if this pin was used as the only GND in case of FP-10.
Pin 19	EX33_STARTn in case of FP-10 (model PS).
Pin 20	X5V in case of FP-10 (model PS), 5V output that can be used as power supply for the target. Please note that appropriate changes need to be made if this pin was used as the only GND in case of FP-10.

GND connections

GND pins of FP-10 specification [Pin 16], [Pin 18] and [Pin 20] have been changed in the FP-10 (model PS) specification to facilitate new functionalities.

Please note that if the GND of FP-10 and the target are connected using only these pins, it is required to change the GND connection to another pin.