

TI_2618: New I/O module



iCombi Pro / iCombi Classic / iHexagon



29/10/2026

Topic

The design of the I/O module has been revised due to new components. The new I/O module A10 with the article numbers 40.08.516P and 42.00.512P (XS) replaces the previous I/O module with the article numbers 40.05.919P and 42.00.280P (XS). The new I/O module is fully backward compatible.

Since April 2026, the new I/O module has already been installed in a few instances. From around November 2026, production of the unit will be fully switched over to the new I/O module. From around December 2026, service parts will be fully switched over.

Affected units

iCombi Pro

iCombi Classic

iHexagon

Affected components

Article number	Description	Unit size
40.05.919P	old I/O module, LM1 LM2, B-G	6-1/1 - 20-2/1
40.08.516P	new I/O module, LM1 LM2, B-G, LM4	6-1/1 - 20-2/1
42.00.280P	old I/O module, LM1, A	6-2/3
42.00.512P	new I/O module, LM1, A	6-2/3

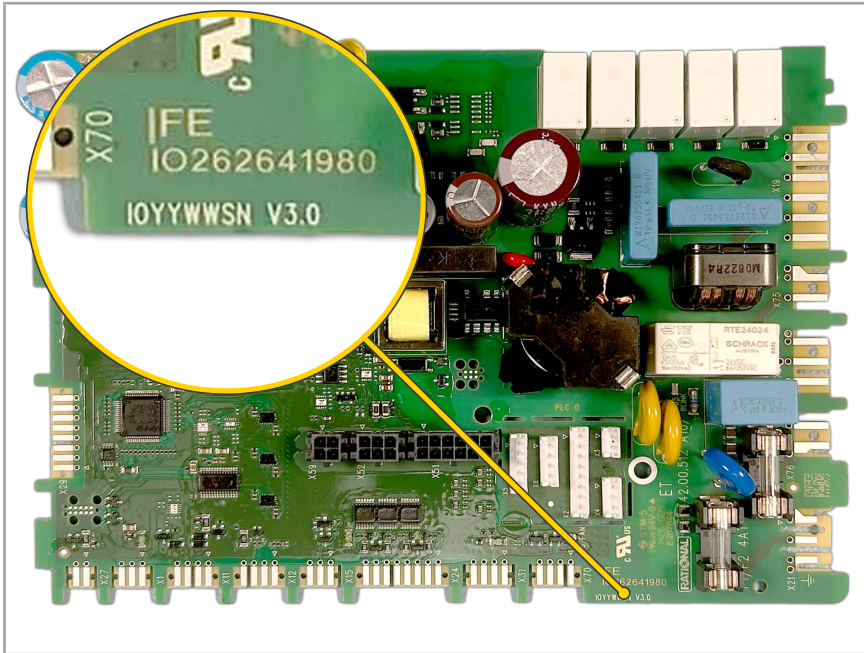
Information

iCombi Classic software version requirements

For the iCombi Classic, at least software version **LM200-10.0.11** must be installed. Older software versions do not support the new I/O module.

I/O module version number

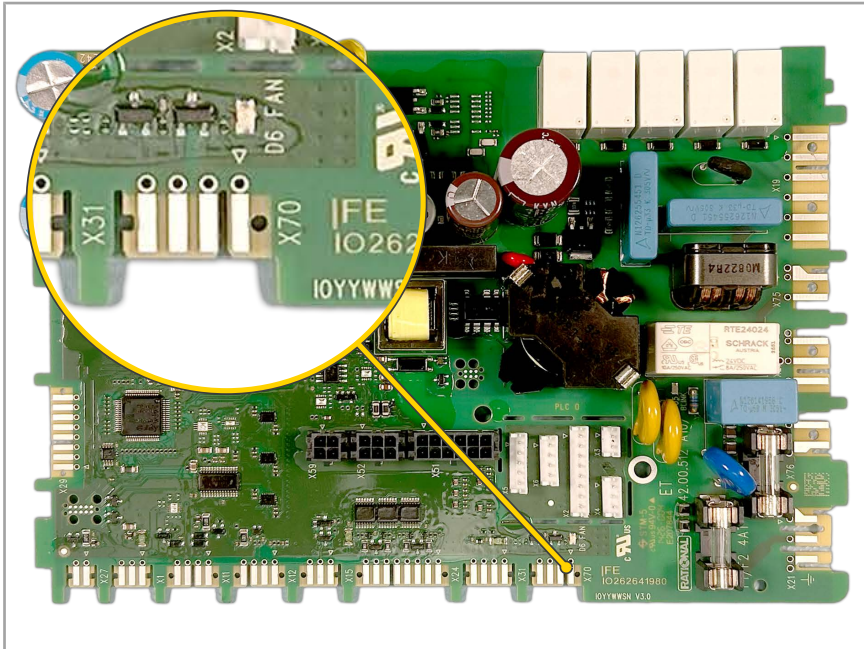
The new I/O module has version number V3.0 or higher. The version number is printed on the PCB.



Optimisations

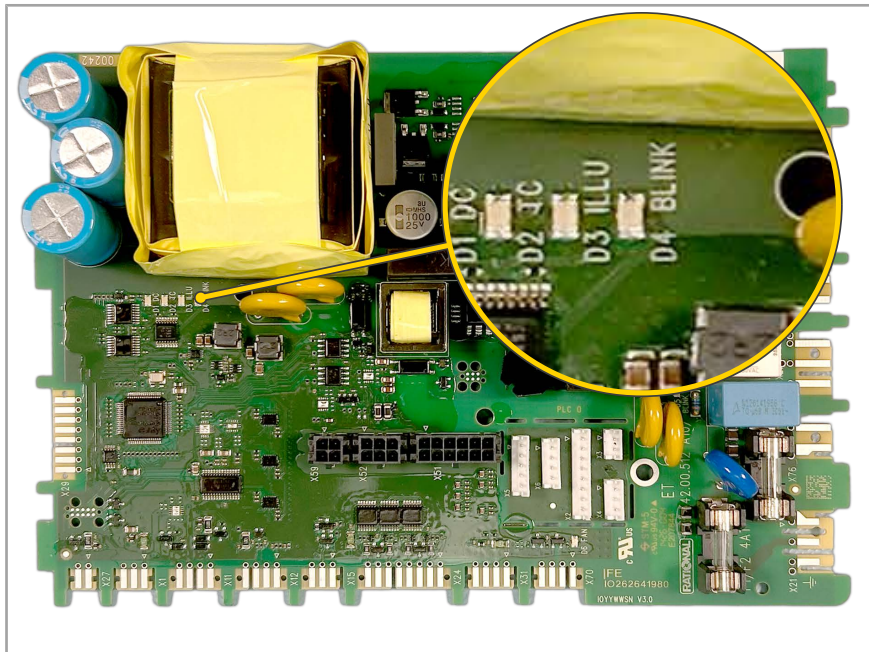
The new I/O module improves diagnostic capabilities, serviceability and operational reliability. The changes are described in more detail in the following sections.

Switched power supply for cooling fan, LED D6 FAN



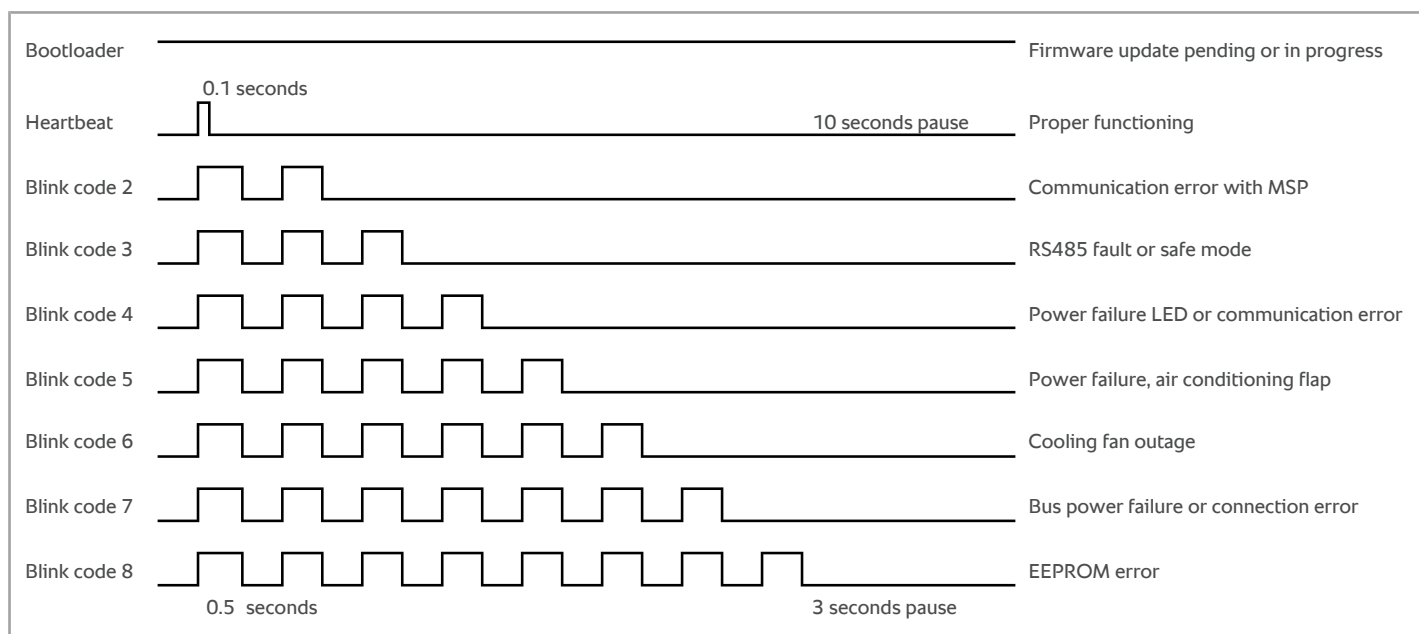
The new I/O module switches the voltage output X70 to +12 V for the cooling fan. The green LED D6 FAN in the immediate vicinity of X70 signals the release of the power supply. If the LED D6 FAN is lit, there is 12 V on the cooling fan. If LED D6 FAN is off, the cooling fan is not receiving power.

Extended diagnostic function of the yellow LED D4 BLINK



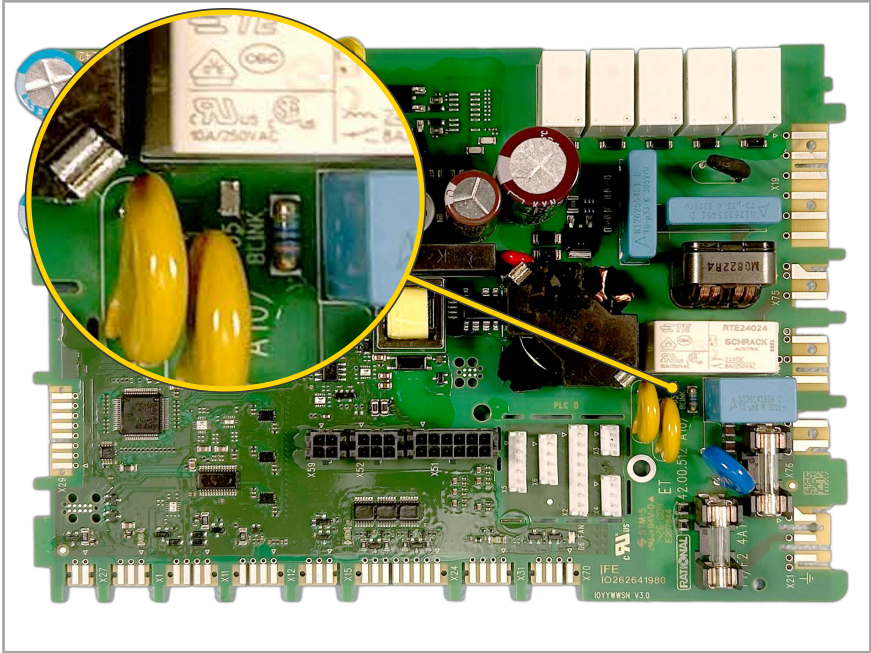
A short flash every 10 seconds (heartbeat) indicates correct operation. Steady light (bootloader) indicates an expected or ongoing firmware update.

Flash codes 2-8 represent the following faults:



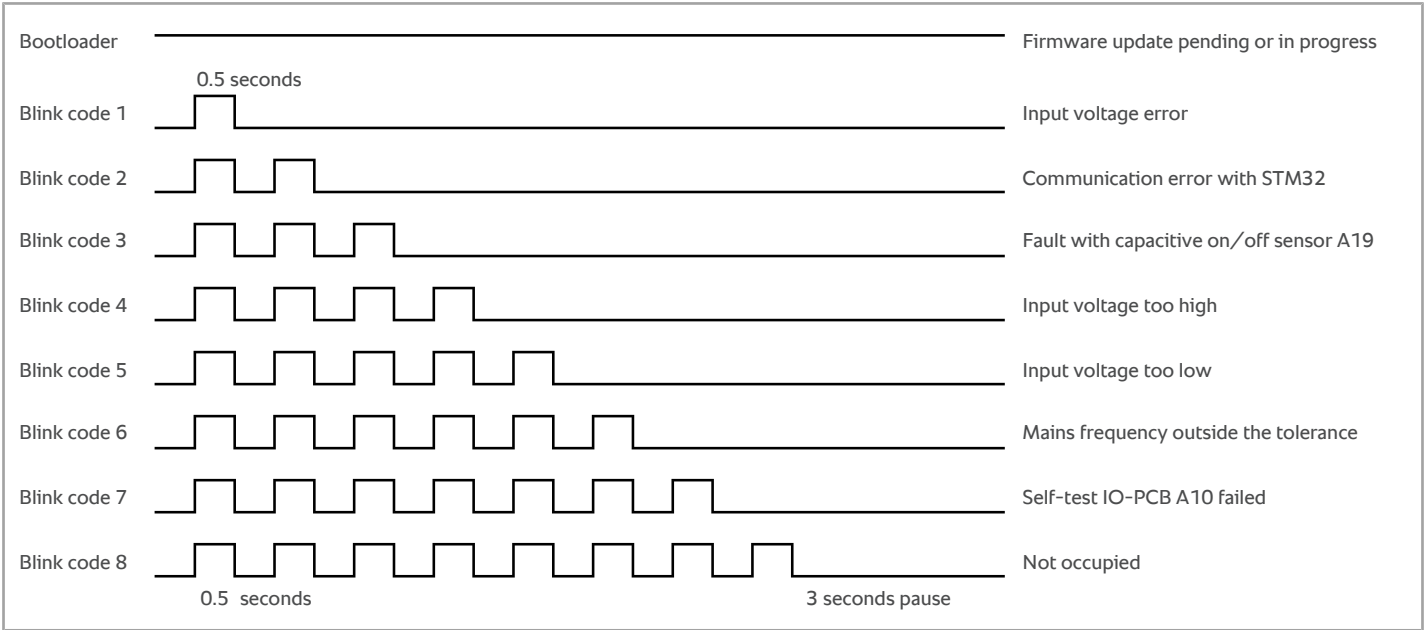
Each blinking code is followed by a pause of 3 seconds. The next blinking code then begins or the previous blinking code is repeated.

Improved visibility of the red LED D5 BLINK



The red LED D5 BLINK is now on the top of the PCB. This makes the LED more visible. Steady light (bootloader) indicates an expected or ongoing firmware update.

The flash codes 1-8 correspond to the familiar diagnostic concept of the old I/O module:



Each blinking code is followed by a pause of 3 seconds. The next blinking code then begins or the previous blinking code is repeated.

Adaptation of the fault display

When the unit is switched off, the flash codes 2 and 7 of the red LED D5 BLINK are no longer displayed.

Improved protection against incorrect connection

The design of the PCB bridges has been changed. This prevents incorrect connection of the cables.

