

# Compute module installation

## Com Express module

Before installing a Com Express module check if the RAM is installed, and that the heatspreader is correctly mounted, and depending on the module if all thermal pads are in place. Also the orientation of the heatsink fins has to follow the airflow trough the case. If it is an Antares the fins have to point from the front to the back. In an Arneb case they have to point from side to side.

The screwholes where the module lays on the spacer bolts (8mm in height) have to be free. Or smaller spacer bolts (5mm high) have to be installed.

When the module is ready to be plugged in place the two holes next to the Com Express connector over the corresponding spacer bolt. Then slide the outer CXP connector into the outer connector on the baseboard. Do this while tilting the module a bit, so that only the outer connector slides in. Then push the module down where the connector is by pressing on the heatsink. While holding the pressure push the module down with a luffing movement on the end where no CXP connector is. The module should now slide into the second CXP connector and be in place.

When starting the module for the first time after installation, it is necessary to set the time again, as the modules don't have an own battery and are provided with electricity by the battery on the frontpanel.

## ARM based module

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