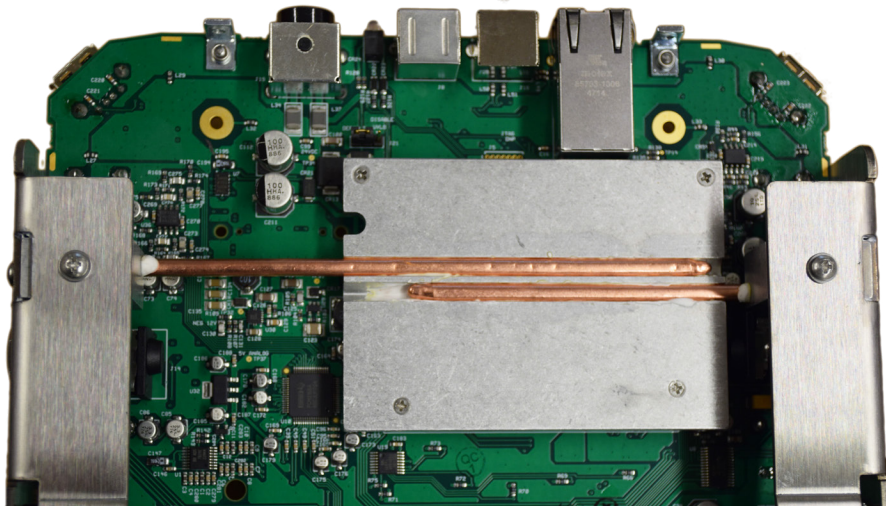


Yes, ACCESS NX gets warm on the sides

In order to provide enough horsepower for future upgrades, ACCESS NX uses a 1.2 GHz quad-core processor with graphics acceleration. Unless they are throttled back to lower speeds, this class of processor creates heat and needs to be cooled.

When engineering ACCESS NX, Comrex made the decision that the product needed to use only passive cooling and avoid the need for noisy fans that move dirt into the chassis. The trick to engineering a solution like this requires moving the CPU heat to a surface exposed to the outside of the chassis. That's what we did, with a rather elaborate heat-spreader element along with some heat-piping tech designed to move heat away from a source.



The metal plates on the sides of the unit are the natural place to vent this heat. The design is quite effective, keeping the CPU temperature below its throttling threshold even in the presence of 50°C (122°F) ambient temperature.

The side plates are in a location not normally subjected to long term touch. Our testing shows they can typically reach a temperature of 50°C (122°F) which can be uncomfortable to touch for long periods but is not considered dangerous. And despite this heat being generated, the NX battery is capable of powering the system for five hours on a full charge.