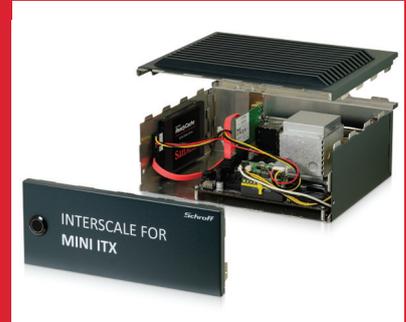


REQUIREMENT

Customer requested an EMC protected case with passive cooling and integration of one PCIe card for WiFi-connection and external antenna based on Mini ITX standard.



CHALLENGE

Heat dissipation through passive cooling. Integration of PCIe card for WiFi-connection and external antenna.



SOLUTION

Interlocking tabbed construction of the case ensures EMC protection up to 20 db at 2 GHz. Conduction cooling through 70 mm Flexible Heat Conductor with contact to heat sink and heat fins for direct thermal flow and heat dissipation. Integration of PCIe card in the rear and hard disk drive on the left side. Pico-PSU 120 W for power supply and illuminated power switch additionally configured.



Project details

Location	Germany
Type of system	Interscale for Mini ITX
Technology	Protection, conduction cooling and electronic components for Mini ITX board
Product scope	Series
Date/Time frame	Q1/2016
Contract scope	>100 cases per year

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