

COMMUNICATION SYSTEM



REQUIREMENT

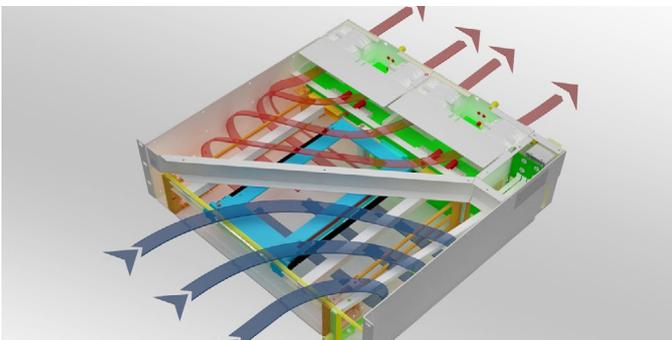


Applications in telecommunications require systems that guarantee high availability and a high data rate. New NEBS requirements and limited space for air at the side of the cabinets demand a front to rear air flow in the system even if the boards are mounted horizontally.



CHALLENGE

To cool 450 W/slot of power dissipation with front to back air flow and very high system air impedance.



SOLUTION

Pentair integrates front-to-back cooling to use cold air in the front area of cabinets, thus achieving effective ventilation. The use of special fans that provide very high air pressure and a sophisticated airflow in the chassis make this possible.



Project Details

Location	United States
Industry	Telecom / IP Communication
Application	Router / Switch
Technology	AdvancedTCA
Product scope	2 Slot ATCA 450/40
Date/Time frame	Project start 2015, expected project run time 5 years
Contract scope	Annual quantity 120 pcs