

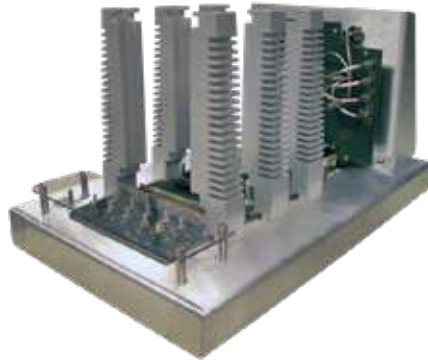


CHASSIS SOLUTION 78-176

BENCHTOP CONDUCTION-COOLED 3U OPENVPX TEST CHASSIS

FEATURES

- Conduction-cooled 3U OpenVPX test chassis based on ATR
- Benchtop assembly with backplane circuit card, front panel circuit card and front panel I/O connections
- Application-specific OpenVPX backplane based on ATR but with board slots spaced apart for probe access
- I/O board – early access version from ATR
- Front panel I/O connections to match ATR
- Conduction machined card guides – cooling provided externally
- DC power entry using power & ground studs located on the backplane – power provided externally



MARKET

Military

APPLICATION

Development for UAV Airborne Radar Application

CHALLENGE

Design and manufacture a quick turn development chassis that provides a development environment with backplane connectivity and I/O connectors that mimics the rugged airborne forced air conduction-cooled ATR chassis version.

CONCERNS

Program required I/O and backplane that mimic the rugged ATR version, with quick-turn delivery requirements.

HOW CAN WE HELP REDUCE YOUR RISK?

Atrenne can help you with all of your application-specific backplane and chassis requirements.

The solutions that you see on our website are just a small sample of what we have done. Please browse our solutions and contact us for a consultation.

The 3U OpenVPX™ Benchtop Test Chassis (Solution 78-176) is designed to mimic the connectivity of the rugged ATR chassis version. This benchtop assembly includes backplane circuit card, front panel circuit card, and front panel I/O connections. Although machined card guides enable mounting of conduction-cooled OpenVPX modules in the system, external cooling must be provided. The test chassis has DC power entry using power and ground studs located on the backplane. The I/O connections are designed to mimic the rugged ATR version.

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BENCHTOP CONDUCTION-COOLED
3U OPENVPX TEST CHASSIS

SPECIFICATIONS

PHYSICAL	
Width	10.00"
Height	9.26"
Depth	16.50"
Construction	Bolted Aluminum
ENVIRONMENTAL	
Operating Temperature	Laboratory Use
Cooling	<ul style="list-style-type: none">• Conduction card guides are finned for cooling• Cooled by externally supplied air
POWER/ELECTRICAL	
DC Input	VPX DC voltages supplied directly to backplane from externally supplied power supply
Backplane Connectors	<ul style="list-style-type: none">• 3U OpenVPX connectors• 3U CompactPCI® connectors
Connector Pitch	2.4"
CONSTRUCTION	
Base	Aluminum
Card Guides	Machined Aluminum

WARRANTY

This product has a one year warranty.

CONTACT INFORMATION

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