

FEATURES

- Size: 4.65" x 7.70" x 0.121"
- 7-slot 3U OpenVPX backplane
 - (4) 3U OpenVPX Payload slots
 - (1) 3U OpenVPX Switch slots
 - (2) 3U Power Supply slots totaling 450W
 - Connector interface plugs directly into I/O panel PWB
 - 0.8" pitch
- Interconnect Topology:
 - Central Switch topology with switched Data Plane and Control Plane
 - Supports up to 6.25 Gbaud Signaling
- I/O panel PWB
 - Connector interface plugs directly into backplane
 - EMI filtering
 - 38999 I/O connectors
 - SATA debug connector
- -40 to +55°C operating
- Altitude: - 28kft operating

BACKPLANE SOLUTION 31-131

RUGGED SMALL FORM FACTOR ATR 3U OPENVPX BACKPLANE SOLUTION FOR ISR APPLICATIONS



MARKET

Military

APPLICATION

ISR Application for Airborne and Ground Demonstration and Airborne Communications Application

CHALLENGE

Design and manufacture a rugged ATR

backplane supporting (5) high power 3U OpenVPX™ slots plus (2) 3U MIL-STD-704F power supply slots with 0.8" pitch.

CONCERNS

Program required high power 3U OpenVPX and application-specific power supplies, 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.

This application-specific backplane (Solution 32-131) includes (5) 3U OpenVPX backplane slots with a central switch topology and (2) 3U power supply slots. The backplane supports 6.25 Gbaud signaling. The design also includes an I/O panel PWB (Solution 33-131 – also pictured here) with EMI filtering and 38999 connectors. The backplane is designed to support -40 to +55°C operation, 28k ft altitude.

WARRANTY

This product has a one year warranty.

CONTACT INFORMATION

www.atrenne.com
sales@atrenne.com
508.588.6110 or 800.926.8722

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