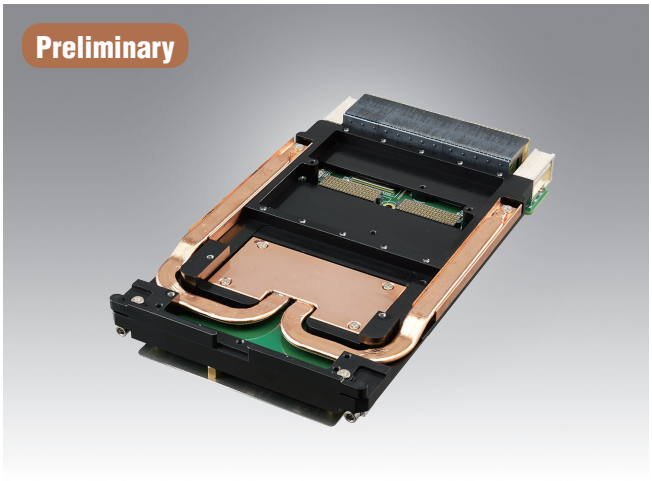
# MIC-6131

## 3U OpenVPX XMC carrier




## Features

- OpenVPX MOD3-PER-1F-16.3.2-3 profile compliant
- Comply with VPX VITA 46.0, 46.4, 46.9 and VITA 48 spec
- High speed Data Plane interface up to PCIe gen.3 x8
- Optional PCIe output up to gen. 3 x8
- XMC interface with X24S+X8D+X12D pin field
- Design to support the XMC card with 75W power consumption*

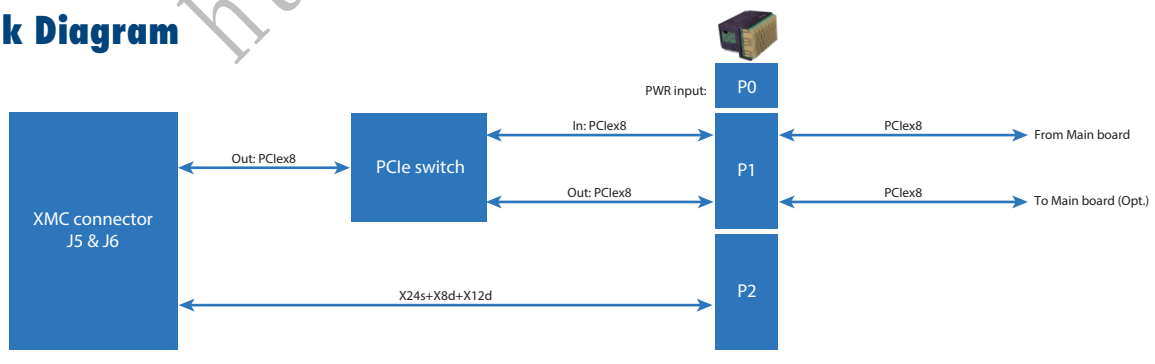
## Introduction

MIC-6131 is a 3U OpenVPX XMC carrier. MIC-6131 complies with the MOD3-PER-1F-16.3.2-3 profile, and the VITA 46.0, 46.4, 46.9 and VITA 48 specification. The MIC-6131 Data Plane has the PCIe Gen 3. Input, up to x8 lanes, and provides the optional PCIe gen. 3 output with another x8 lanes. With this design, MIC-6131 is able to support the most powerful XMC with the 75W power consumption*, and doesn't sacrifice the full fabric bandwidth from the main board. For the XMC pin out, MIC-6131 has the X24S+X8D+X12D pin field on the VPX connector P2, and enables the vast capability of customization of the customer.

## Specifications

| | | |
|---|---|---|
| VPX Interface | P0 | Power: 12V only (default) |
| | P1 | Data Plane: 1x PCIe x8 + optional PCIe output 1 x PCIe x8 |
| | P2 | Optional X24S+X8D+X12D pin out |
| Front panel LED | | Hot-Swap, Power |
| Power Requirement | | Depends on the actual XMC power consumption |
| Physical Characteristics | Dimensions | 160.00 x 100.00 mm (6.3" x 3. 95") (W x D), 5HP (H) |
| | Weight | To-be-measured kg without peripherals |
| Compliance | VPX | OpenVPX (VITA 65), REDI (VITA 48) |
| | Safety | FCC class A, CE, RoHS |
| | EMC | FCC47 CFR Part15, Class A, CE Mark (EN55022/EN55024/EN300386) |

## Block Diagram




## Related products

| Product | Description |
|---|---|
| MIC-6330 | 3U OpenVPX CPU Blade with Intel® Xeon® Processor E3v5 and E3v6 family |

## Ordering Information

| Model number | Configuration |
|---|---|
| MIC6131A000E-ES | MIC-6131 for convection cooled chassis |
| MIC6131C000E-ES | MIC-6131 with conduction cooled heatsink |

*The heat dissipation capacity depends on the actual chassis used.
** Please contact the Advantech representative for the availability.
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