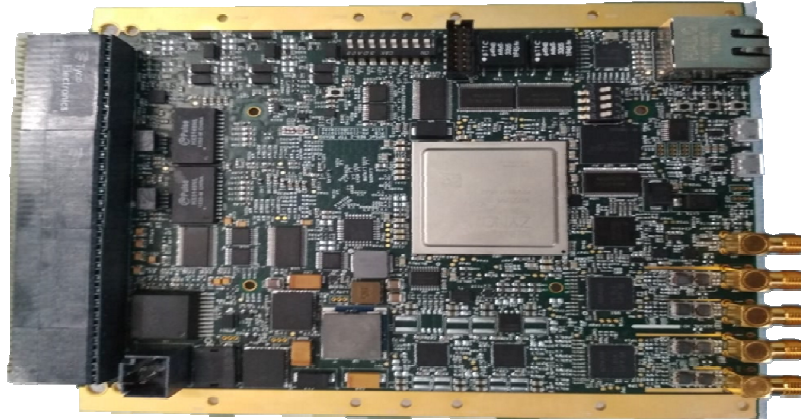# 3U VPX FPGA BOARD - ICS-3U01FMV

DESCRIPTION:

ICS-3U01FMV- is Zynq® UltraScale+™ MPSoC FPGA board that fits on to standard 3U VPX motherboard and has Single Board Computer architecture with high end processors and onboard ADCs. Zynq UltraScale + MPSoCs features dual and quad core variants of the Arm Cortex-A53 (APU) with dual-core Arm Cortex-R5F (RPU). ICS-3U01FMVis provided with ARINC-429 interface and MIL-1553 interface. Additionally it has standard interfaces viz., Ethernet Interface, PCI interface, 128Gb NAND MMC Flash, DDR4 on board memory and SD Card.

FEATURES:

- Zynq Ultra scale+ Mpsoc FPGA
- VPX Interface form factor
- High speed ADC
- JESD204B Standard
- ARINC-429 Interface
- MIL-1553 Interface
- ETHERNET Interface 10/100/1000
- PCI Interface 4-lane
- DDR4 on-board Memory
- USB3.0/USB2.0 Interface
- SD Card Interfaces
- 128Gb NAND MMC Flash

SPECIFICATIONS:

- Processor : Zynq Ultra scale FPGA
- Standard Interfaces : MIL1553B, ARINC 429
- ADC : 500 MSPS
- Flash : 128Gb NAND MMC
- RAM : 4GB DDR4
- Ethernet Interface : 10/100/1000 base T
- Other Interfaces : USB3.0/USB2.0
- Form Factor : 3U VPX
- Power Supply : 12V DC
- Operating temperature : -40°C to +125°C
- Storage temperature : -55°C to +125°C
- Power supply : +9V to + 32V from VPX