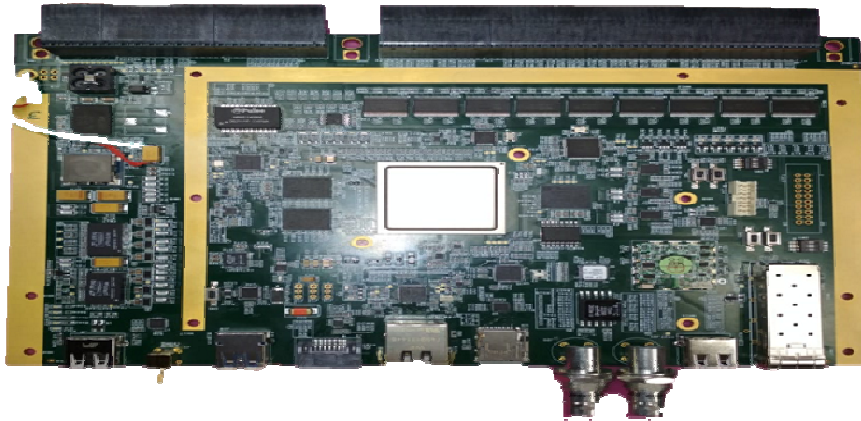




## 6U VPX FPGA BOARD - ICS-6U01FDV

### DESCRIPTION:

ICS-6U01FDV is Zynq® UltraScale+™ MPSoC FPGA board that fits on to standard 6U 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-3U01FMV is provided with MIL-1553 interface and other standard interfaces viz., Ethernet Interface, PCI interface, NAND Flash, DDR4 on board memory and SD Card. 6U01FDV is integrated with 100 MHz on board Clock.



### FEATURES:

- Zynq Ultra scale FPGA
- 6U VPX Form Factor
- 10/100/1000 base-T Ethernet Interface
- 200MHz On board clock
- MIL1553B Interface
- Dual QSPI flash
- USB3.0/USB2.0
- SD Card Slot
- Signal Integrity, Power Integrity and Thermal Analysis
- PCI Express interface routed to VPX connectors
- 28V DC power Input

### SPECIFICATIONS:

- Processor : Zynq Ultrascale
- Clock Source : 100 MHz, 33.33 MHz
- RAM : DDR4, DDR3, DDR3L
- Other Memories : eMMC4.51 Managed NAND flash, Serial NOR flash, SD CARD
- Interfaces : PCI Express Compliant with PCIe® 2.1 ; SATA
- Transceivers : 4x PS-GTR up to 6.0Gb/s
- Other Interfaces : USB 3.0
- Standard Interfaces : MIL-1553, SGMII tri-speed Ethernet
- Power Supply : 28 V Input

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