FPGA and PROCESSOR CARD - ICS-CZ05FDC

DESCRIPTION:

ICS-CZ05FDC is Stratix-10 FPGA board embedded with Analog Devices ADSP processor. Stratix-10 FPGA transceivers can support data rates below 1.0 Gbps through over sampling, TCAM memory, SFP+/SFP28 interface,. ADSP has Up to 600 MHz high performance Blackfin processor, High speed USB On-the-Go (OTG) with integrated PHY, Up to 4 synchronous serial ports, Up to 3 serial peripheral interfaces, Real-time clock (RTC) and watchdog timer . The CZ05FDC card is integrated with on board Tamper Detection Circuit, SPI Flash, NOR Flash

FEATURES:

- Intel Stratix-10 FPGA
- ADSP processor
- DDR4 RAM
- 16 Bit ADC
- 100GBASE-LR4 100G Ethernet
- 40GBASE-LR4 40G Ethernet
- RS232 Interface
- USB Interface
- SPI Flash
- NOR Flash
- OLED Graphic Display Interface
- Tamper Detection Circuit
- RTC with Battery

SPECIFICATIONS:

- Processor : Intel Stratix-10 FPGA, ADSP processor
- Ethernet Interfaces : 1/10/25/40/100Gbps
- Standard Interfaces : RS232, USB, SPI
- Optical Interfaces : 1/10/25/40/100Gbps operation on optical interface, OTN/SDH/Ethernet
- On Board Sensor : Temperature Sensor
- Keypad Interface : 16 Keys Alpha Numeric Keypad
- Display Interface : OLED Graphic Display
- Operating Temp : 0 degC to 50 degC