



Indian Institute of Information Technology, Design and Manufacturing, Kurnool

Inviting of Quotations through LPC

Reference No: IIITDMK/20-21/S&P/LPC/ Analog Discovery Kit with PMODs /4

DT: 15.09.2020

Subject: Supply and Installation of **Analog Discovery Kit with PMODs** –Regarding

Please send your lowest quotation to supply the item(s) shown in the table below. The quotation is to be sent in a sealed envelope addressed to “Registrar I/c, Indian Institute of Information Technology, Design and Manufacturing, Kurnool-518007, Andhra Pradesh”

Subscribing the above reference number clearly on the envelope.

The last date to receive the sealed quotation is 29.09.2020

Specifications for Analog Discovery Kit with PMODs:-

S.No	Description of the Items	Quantity
1	<p>Digilent Analog Discovery Kit is a USB oscilloscope, logic analyzer, and multi-function instrument that allows users to measure, visualize, generate, record, and control mixed-signal circuits of all kinds. It should be driven by the free WaveForms software (Mac, Linux, and Windows compatible). The Analog Discovery kit can be configured to work as any one of several traditional test and measurement instruments including an Oscilloscope, Waveform Generator, Power Supply, Voltmeter, Data Logger, Logic Analyzer, Pattern Generator, Static I/O, Spectrum Analyzer, Network Analyzer, Impedance Analyzer, and Protocol Analyzer. It should have the following features.</p> <p>(1) Two-channel USB digital oscilloscope (1MΩ, \pm25V, differential, 14-bit, 100MS/s, 30MHz+*) (2) Two-channel arbitrary waveform generator (\pm5V, 14-bit, 100MS/s, 12MHz+ bandwidth*) (3) 16-channel digital logic analyzer (3.3V CMOS and 1.8V or 5V tolerant, 100MS/s) (4) 16-channel pattern generator (3.3V CMOS, 100MS/s) (5) 16-channel virtual digital I/O including buttons, switches, displays, and LEDs, which is perfect for logic training applications</p>	2 No

	<p>(6) Network Analyzer with Bode, Nyquist, Nichols transfer diagrams of a circuit. The Network Analyzer has a range of 1Hz to 10MHz</p> <p>(7) Spectrum Analyzer capable of power spectrum and spectral measurements (noise floor, SFDR, SNR, THD, etc.)</p> <p>(8) Impedance Analyzer for analyzing capacitive and inductive elements</p> <p>(9) Protocol Analyzer with SPI, I2C, CAN, AVR, and UART</p> <p>Specifications for AV- Zynq FPGA Kit Accessories:</p> <p>ZYNQ SoC FPGA Development Board is a feature rich and high-performance Single Board Computer built around the Xilinx Zynq-7010 (XC7Z010). It features integrated dual-core ARM Cortex-A9 processor with Xilinx 7-series FPGA. The specifications of XC7Z010 are as follows.</p> <ul style="list-style-type: none"> (1) 512MB DDR3 (2) 16MB QSPI Flash (3) On-Board USB JTAG Programmer (4) USB to UART Interface (5) 10/100/1000M Ethernet (6) USB OTG (7) Micro SD (8) WiFi 802.11 b/g/n (9) Bluetooth 4.2 and BLE (10) 12 bit VGA Interface (11) HDMI Tx/Rx (12) ADC 2 channel (13) Temperature Sensor (14) LDR Interface (15) Stereo Audio Jack (16) 2x16 LCD Display (17) 4 Digit Seven Segment Display (18) 50 MHz and 33 MHz Clock (19) 4 Slide switches (20) 2 PL and 1 PS Push Button (21) 5v Buzzer (22) 4 PL and 1 PS LED (23) 31 PL and 4 PS I/O <p>Also, XC7Z010 FPGA evaluation board should come up with various supported interface accessories such as WiFi, Bluetooth, 0.3MP Camera, and LCD Display.</p>	<p>2 Nos</p>
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While sending your Lowest quotation-Please specify the following

1. GST : Inclusive / Exclusive
2. Rates : a) F.O.R. Destination / Ex-works
b) Estimated Packing, forwarding and Freight charges
In case Ex-works only, may be mentioned on Percentage basis.
3. Preferred terms of payment : Full payment within 30 days from the date of receipt
Of the material, tested/inspected/commissioned and
Found satisfactory with regard to quality, quantity and
Specifications ordered.
4. Recommended mode of transport :
5. Discount offered , if any :
6. Validity of the offer :
7. Warranty Period :
8. Indicate whether any AMC :
Support is given after completion
Of warranty Period. If so, the AMC
Charges may be mentioned on
Percentage basis
9. Firm Schedule of delivery :
10. Detailed drawings / catalogues/ :
Leaflets/literature/samples may
Be furnished wherever feasible/
Required.
11. Please mention the Quotation number and name of the item/s (in brief) on your envelope
when submitting your quotation to the institute.
12. Please note that the Head of the Institute reserves the right to modify or alter the
specifications and also to reject any or all the quotations without assigning any reasons
thereto.

**Sd/-
Registrar I/c**

