


(Annexure-1)

19" RUGGED RACK MOUNT VDU

| S.No | PARAMETERS | SPECIFICATIONS |
|------|---|--|
| 1 | Display Viewable Image Size | 19" TFT LED (Replicating Reference System) |
| 2 | Active Display area | 376.32 (H) X 301.06 (V) |
| 3 | Pixel pitch (mm) | 0.294 (H) x 0.294 (V) |
| 4 | Resolution | 1280 X 1024@60Hz, 75Hz. |
| 5 | Backlight | LED |
| 6 | Backlight Life (hrs) | Min. 100000 hrs. |
| 7 | Brightness(cd/m2) | 350 (Typ) |
| 8 | Display Colors | 16.7m or better |
| 9 | Viewing angle(cr>=10) | -85 to 85 (H),-80 to 80 (V) |
| 10 | Aspect Ratio | 4 x3 |
| 11 | TFT Panel Operating Temp | -40° C to +85° C or better |
| 12 | TFT Panel Storage Temp | -40° C to +85° C or better |
| 13 | Video Interface SBC to Display (Internal) | Has to be taken care by vendor after receipt of FIM |
| 14 | Construction | Heavy duty Aluminum with color coated/Hard Anodised. As per the attached below design |
| 15 | Dimesions | |
| 16 | I/O Connectors | All of them On the bottom side of the unit |
| 17 | Power Input | DC 9-36V.DC |


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| | | |
|----|---|---|
| 18 | Power consumption for Display | Less Than 45 Watt , Normal operation. |
| 19 | Power management | VESA DPMS Compliant |
| 20 | Operating temperature | -20°C to + 60 °C |
| 21 | Storage temperature | -30°C to +70°C |
| 22 | ENVIRONMENTAL (MIL STD 810 F/G) COMPLIANCE | Vibration: MIL STD 810G, Method 514.6, procedure 1, Random vibration 5 Hz to 500 Hz, 2.26g RMS Shock: MIL STD 810G, Method 516.6, Procedure1, 40g, 11ms. Transit drop: MIL STD 810 F/G, Method 516.5. Humidity: MIL STD 810F/G, Method 507.4 |
| 23 | ENVIRONMENTAL (MIL STD 461E/F) COMPLIANCE | RE : RE 101/RE102 CE : CE 101/ CE 102 CS:CS114 / CS115/CS116 RS:RS101/RS103 |
| 24 | Additional Features | Anti-corrosion housing/ Fan less. Convenient on screen display controls. Built in light sensor for auto brightness controls. EMI Compliant Glass |
| 25 | ECIL FIM | * Motherboard & Add-on Electronic boards * RAM & Storage SSD * Interface cards Internal * SBC Power Supply * OS & Software's |
| 26 | Vendor Scope | * Display Panel Kit * Display Power Supply * Mechanical Chassis with Hardware * Integration of ECIL FIM in the chassis * Mating Cables (As per Annexure 2) |


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ANNEXURE-2

| Mating Cable (Total 2 Sets) for Total PO | | | | | | |
|--|-------------------|-------------------------------|--|---|--------------|--|
| S.No | Connector Details | Connector Type | Connector Purpose | Cable Details | Length | |
| 1 | X12 INOUT | 26 PIN 3 Row D SUB Female | AUDIO PORT | Mating cable and other end open wire | Less than 1M | |
| 2 | X9 (COM1-4) | 44 PIN 3 Row D SUB Male | SERIAL PORT 4 CHANNEL (RS232 or 422 or RS485 not known) | Mating cable with other end DB9 Female connector. | Less than 1M | |
| 3 | X8 USB1,2 | Two row 9 pin D SUB Female | USB supply and DATA+/- | Mating cable and other end open USB Socket | Less than 1M | |
| 4 | X9 KB/M | Two row 9 pin D SUB Female | Key Board and Mouse signal supply data and clock | Mating cable and other end PS2 PORT for KB/M | Less than 1M | |
| 5 | X6 DVI-I | DVI-I Port | DVI-I standard signal | Mating cable and other end DVI Port | Less than 1M | |
| 6 | X5 LPT | 25 PIN2 Row D SUB Female | Parallel Port | Mating cable and other end open wire | Less than 1M | |
| 7 | X4 ETHERNET1,2 | Two row 9 pin D SUB Female | Two Ethernet Port | Mating cable and other end RJ45 socket/plug | Less than 1M | |
| 8 | X3 CONTROL | Two row 9 pin D SUB Female | digital logic | Mating cable and other end open wire | Less than 1M | |
| 9 | X1.2 27V 5 A | Power D Sub Connector, Type B | 27 V Supply and Ground | Mating cable and other end open wire | Less than 1M | |
| 10 | X1.1 27V 5 A | Power D Sub Connector, Type B | 27 V Supply and Ground | Mating cable and other end open wire | Less than 1M | |

[Signature]

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