ART OF LOGIC

R&D Specialists in Computer Vision

Data Specification Sheet

Product: 2.5" Ant Micro Server
ARM 6 Cores Embedded System
Network Video Recorder

PRODUCT CHARACTERISTICS

- Physical Dimension: 145.5 (l) x 84.5 (w) x 29 (h) mm
- 1 Gigabit Ethernet port supporting IEEE 802.3 1000BASE- T, 100BASE- T, 10BASE-T Protocols
- Located in the front of the device

DISPLAY PORT

- One HDMI port for connecting to external display
- Support 480p/480i/576p/576i/720p/1080p/1080i/4k
- Support RGB/YUV420(up to 10bit) format
- Located in the front of the devic
  Note: Only for Nx Client configuration, not for Nx Client local display.

USB PORT

- 2 USB ports (one USB 2.0 and one USB3.0) for supporting additional external hard drives or 10 devices.
- Capable of delivering 0.SA max per port
- USB ports are located in the front of the device.

SATA PORT

- System board includes one SATA port to connect hard disk drive.
- Support SATA 3.0 spec- capable of supporting up to 6.0Gb/s
- Access port by removing the mechanical housing of the device.

M.2 INTERFACE

- M.2 Key E form factor supporting Modules such as 11AC WIFI module or Edge TPU card
- Access port by removing the mechanical housing of the device.

PHYSICAL RESET BUTTON

- One reset button is available to reset the device.
- Short press for software reboot.
- Long press for more than five seconds to reset settings to default.

LEDs

- Power : On - Green
- HDD: HDD ready - Green. Busy/Activity - Blink
- System LED - Red. On when system is in abnormal state
- Network Ports : Link - Green. Activity - Yellow. Note: LEDs for network port is built-in into the RJ45 phone jack.

SoC SPECIFICATION

- CPU - ARM Dual Cortex-A72, frequency 1.8Ghz with quad Cortex-A53, frequency 1.4Ghz
- GPU -ARM Mali -T860M P4 GPU, support OpenGL ES1.1/ 2.0/3.0/ 3.1/ 3.2, OpenCL1.2, DirectX11.1 etc
- 2GB DDR4 (memory shared with GPU)
- Video Engine:
- Video decoding - supports decoding speed up to 1080p@60fps
- Video encoding - supports encoding speed up to 1080p@30fps
- Supports picture size 3840x2160
- Supports format - MPEG1/2, MPEG4 SP/ASP/GMC, H.263, H.264 BP/MP/HP, VP6/8, AVS jizun, JPEG
- Support 32 bit and 64 bit Linux OS

ENVIRONMENTAL SPECIFICATIONS

- Operating temperature: 0° to 50°(
- Storage temperature: -20° to 80°(
- Operating humidity: 90% maximum relative humidity, non-condensing
- Storage humidity: 95% maximum relative humidity, non-condensing

POWER REQUIREMENTS

- 12v 2 amp