Lanner Electronics V3SA & Milestone Verification Test Report

Lanner Electronics
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Lanner systems to be verified:

V3SA

Intel® Atom™ x7-E3950 processor (Codenamed Apollo Lake)

6x RJ-45 ports (4 with PoE)

DIO, 2x USB, 2x COM, 2x DVI-D and optional CAN bus

Wide range operating temperature from -40 to 70°C

Compliant with E13 standard

Removable 2.5" drive bay for HDD/SSD

1x removable Mini-PCIe 3.0 slot for 4G/Lte module

1x full size removable Mini-PCIe slot with dual SIM card reader, 1x half size Mini-PCIe

Built in wall mount kit

Testing Environment:

Feed Server:

LEC-7228-J11A
Intel® Celeron® J1900 (2 GHz) CPU
8GB DDR3L 1600 RAM
32GB 2.5' SSD
OS: Windows 10 Pro Version 10.0.16299 build 16299
RamDisk(R:) 1000M (shared)

Feed Server(192.168.1.2/24) connects with Management
Server and Recording Server(Combined into system to be
verified with static IP 192.168.1.1/24) through LAN

Management Server And Recording Server(Combined):

V3SA

Intel® Atom™ E3950 Processor

8GB RAM

250GB 2.5' SSD

OS: Windows 10 Pro Version 10.0.16299 build 16299

VMS: Milestone Product XProtect® Essential+ 2019 R2

4x Channels for Single StableFPS device

7x Days Performance Log

The average media/sec is 120 and confirms that 4 cameras are running.

Each camera has a throughput of 4,074 mbit/s.

CPU load is 42,9%

Memory load is 66,5%

System pass targets for verification.