

# Corning ONE™ SDN LAN

## Software Defined Virtual Application Host (SDVAH)

### [Product Overview](#) |

The Software Defined Virtual Application Host (SDVAH) is a 1U rack mount server designed for enterprise markets.



### [Key Features and Benefits](#) |

- Single server using a multicore Intel® Xeon® processor
- SSD Storage and memory capacity to host SDN LAN Orchestration system, virtual router and up to sixteen Virtual applications
- 2 GbE ports with Intel® i210-AT 1 shared IPMI port
- 1 VGA, 1 COM, 2 USB 3.0, 2 USB 2.0
- 200W Multi-output power supply



### [Product Specifications](#) |

#### Processor

##### CPU

Single Socket H4 (LGA 1151)

- Intel® Xeon® processor E3-1200 v6/v5,

#### System Memory

- 32GB DDR4 ECC UDIMM

##### Error Detection

- Corrects single-bit errors
- Detects double-bit errors

#### Input / Output

##### SATA

- 2 SATA3 (6Gbps) ports

##### LAN

- 2 RJ45 Gigabit Ethernet LAN ports
- 1 RJ45 Shared IPMI LAN port

##### USB

- 2 USB 3.0 ports
- 2 USB 2.0 ports

##### Video

- 1 VGA port

##### Serial Port / Header

- 1 COM port (1 rear)

#### PC Health Monitoring

##### Voltage

- Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.

##### FAN

- 3 fans with tachometer status monitoring
- Status monitor for speed control
- Status monitor for on/off control

#### PC Health Monitoring (con't)

- Low noise fan speed control
  - Pulse Width Modulated (PWM) fan connectors
- ##### Temperature

- Monitoring for CPU and chassis environment
- CPU thermal trip support
- I2C temperature sensing logic
- Thermal Monitor 2 (TM2) support
- PECI

##### LED

- CPU / System Overheat LED
- Suspend static indicator LED
- UID/Remote UID

##### Other Features

- Chassis intrusion detection
- Chassis intrusion header
- Chipkill support
- RoHS, Halogen Free

#### Chassis

##### Form Factor

- 1U Rackmount

#### Dimensions and Weight

Height: 1.7" (43mm)

Width: 17.2" (437mm)

Depth: 11.3" (287mm)

Package: 6.1" (H) x 25.4" (W) x 19.8" (D)

Weight: 8.45 lbs (3.83 kg)

Available Colors: Black

# Corning ONE™ SDN LAN

## Front Panel

### Buttons

- Power On/Off button
- System Reset button

### LEDs

- Power LED
- Hard drive activity LED
- 2 Network activity LEDs
- System Overheat LED
- Information LED (temp., status)

## System Cooling

### Fans

- 3x 40x28mm 4-pin PWM Cooling Fans
- 1x FAN-0147L4 option for 80W CPU

## Power Supply

- 200W Low Noise AC-DC power supply with PFC
- AC Voltage: 100 - 240V, 50-60Hz, 2.6 Amp Max
- +5V: 8.0 Amp (max.)
- +5V: standby 2.0 Amp (max.)
- +12V: 16 Amp (max.)
- -12V: 0.5 Amp (max.)
- +3.3V: 8.0 Amp (max.)
- 80plus Gold Certified

## System BIOS

### BIOS Type

- 8MB SPI Flash EEPROM with AMI BIOS

### BIOS Features

- DMI 2.3
- PCI 2.3
- ACPI 1.0 / 2.0
- USB Keyboard support
- SMBIOS 2.3

## Operating Environment / Compliance

### RoHS Compliant

### Environmental Spec.

- Operating Temperature: 10°C to 35°C (50°F to 95°F)
- Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)
- Operating Relative Humidity: 8% to 90% (non-condensing)
- Non-operating Relative Humidity: 5% to 95% (non-condensing)



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## Ordering Information |

P/N	Short Description
1LAN-SRV-50195L	1RU Rackmount server for VNETC, VFC and Virtual Apps