The software-defined virtual application host (SDVAH) is a 1U rack-mountable server designed for enterprise networks.

### Features

- 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 Multioutput power supply
## Specifications

| Processor | ▪ CPU single socket H4 (LGA 1151)  
▪ Intel® Xeon® processor E3-1200 v6/v5 |
|----------|--------------------------------------------------|
| System Memory | ▪ 32GB DDR4 ECC UDIMM error protection  
▪ 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, and chipset voltages.  
▪ FAN  
▪ 3 fans with tachometer status monitoring  
▪ Status monitor for speed control  
▪ Status monitor for on/off control  
▪ Low noise fan speed control  
▪ Pulse width modulated (PWM) fan connectors  
▪ LED  
▪ PU/system overheat LED  
▪ Suspend static indicator LED  
▪ UID/remote UID  
▪ Chassis  
▪ Form factor, 1U rack-mountable  
▪ Other  
▪ Chassis intrusion detection  
▪ Chassis intrusion header  
▪ Chipkill support  
▪ RoHS, halogen free |
| Dimensions (H x W x D) and Weight | ▪ Size: 1.7 x 17.2 x 11.3 in (43 x 437 x 287 mm)  
▪ Package size: 6.1 x 25.4 x 19.8 in  
▪ Weight: 8.45 lbs (3.83 kg) |
| Available Colors | ▪ Black |
### Front Panel

- **Buttons**
  - Power on/off button
  - System reset button
- **LED**
  - Power LED
  - Hard drive activity LED
  - 2 network activity LEDs
  - System overheat LED
  - Information LED (temperature, status)

### System Cooling

- **Fans**
  - 3 x 40 x28 mm, 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, 50-60 Hz, 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)
- 80-plus gold certified

### System BIOS

- **Type:**
  - 8MP SPI flash
  - EEPROM with AMI BIOS
- **Features:**
  - DMI 2.3
  - PCI 2.3
  - ACPI 1.0/2.0
  - USB keyboard support
  - SMPIOS 2.3

### Operating Environment/Compliance

- RoHS compliant
- Environmental specifications
  - Operating temperature: 10°C to 35°C (50°F to 95°F)
  - Nonoperating temperature: -40°C to 70°C (-40°F to 158°F)
  - Operating relative humidity: 8% to 90% (noncondensing)
  - Nonoperating relative humidity: 5% to 95% (noncondensing)
## Ordering Information

<table>
<thead>
<tr>
<th>P/N</th>
<th>Short Description</th>
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<tbody>
<tr>
<td>1LAN-SRV-50195L</td>
<td>1RU rack-mountable server for VNETC, VFC and Virtual Apps</td>
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<tr>
<td>1LAN-SRV-50195L-2</td>
<td>1RU rack-mountable server for VNETC, VFC and Virtual Apps &gt; 600 ONTs</td>
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