

SDN LAN Software-Defined Virtual Application Host (SDVAH) Specification Sheet



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	<ul style="list-style-type: none"> ▪ CPU single socket H4 (LGA 1151) ▪ Intel® Xeon® processor E3-1200 v6/v5
System Memory	<ul style="list-style-type: none"> ▪ 32GB DDR4 ECC UDIMM error protection <ul style="list-style-type: none"> ▪ Corrects single-bit errors ▪ Detects double-bit errors
Input/Output	<ul style="list-style-type: none"> ▪ SATA <ul style="list-style-type: none"> ▪ 2 SATA3 (6Gbps) ports ▪ LAN <ul style="list-style-type: none"> ▪ 2 RJ45 gigabit Ethernet LAN ports ▪ 1 RJ45 shared IPMI LAN port ▪ USB <ul style="list-style-type: none"> ▪ 2 USB 3.0 ports ▪ 2 USB 2.0 ports ▪ Video <ul style="list-style-type: none"> ▪ 1 VGA port ▪ Serial port/header <ul style="list-style-type: none"> ▪ 1 COM port (1 rear)
PC Health Monitoring	<ul style="list-style-type: none"> ▪ Voltage <ul style="list-style-type: none"> ▪ Monitors for CPU cores, +3.3V, +5V, +12V, +5V standby, VBAT, HT, memory, and chipset voltages. ▪ FAN <ul style="list-style-type: none"> ▪ 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 <ul style="list-style-type: none"> ▪ PU/system overheat LED ▪ Suspend static indicator LED ▪ UID/remote UID ▪ Chassis <ul style="list-style-type: none"> ▪ Form factor, 1U rack-mountable ▪ Other <ul style="list-style-type: none"> ▪ Chassis intrusion detection ▪ Chassis intrusion header ▪ Chipkill support ▪ RoHS, halogen free
Dimensions (H x W x D) and Weight	<ul style="list-style-type: none"> ▪ 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	<ul style="list-style-type: none"> ▪ Black

Front Panel	<ul style="list-style-type: none"> ▪ Buttons <ul style="list-style-type: none"> ▪ Power on/off button ▪ System reset button ▪ LED <ul style="list-style-type: none"> ▪ Power LED ▪ Hard drive activity LED ▪ 2 network activity LEDs ▪ System overheat LED ▪ Information LED (temperature, status)
System Cooling	<ul style="list-style-type: none"> ▪ Fans <ul style="list-style-type: none"> ▪ 3 x 40 x28 mm, 4-pin PWM cooling fans ▪ 1x FAN-0147L4 option for 80W CPU
Power Supply	<ul style="list-style-type: none"> ▪ 200W low noise AC/DC power supply with PFC ▪ AC voltage: <ul style="list-style-type: none"> ▪ 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	<ul style="list-style-type: none"> ▪ Type: <ul style="list-style-type: none"> ▪ 8MP SPI flash ▪ EEPROM with AMI BIOS ▪ Features: <ul style="list-style-type: none"> ▪ DMI 2.3 ▪ PCI 2.3 ▪ ACPI 1.0/2.0 ▪ USB keyboard support ▪ SMPIOS 2.3
Operating Environment/Compliance	<ul style="list-style-type: none"> ▪ RoHS compliant ▪ Environmental specifications <ul style="list-style-type: none"> ▪ 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

P/N	Short Description
1LAN-SRV-50195L	1RU rack-mountable server for VNETC, VFC and Virtual Apps
1LAN-SRV-50195L-2	1RU rack-mountable server for VNETC, VFC and Virtual Apps > 600 ONTs



CORNING

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