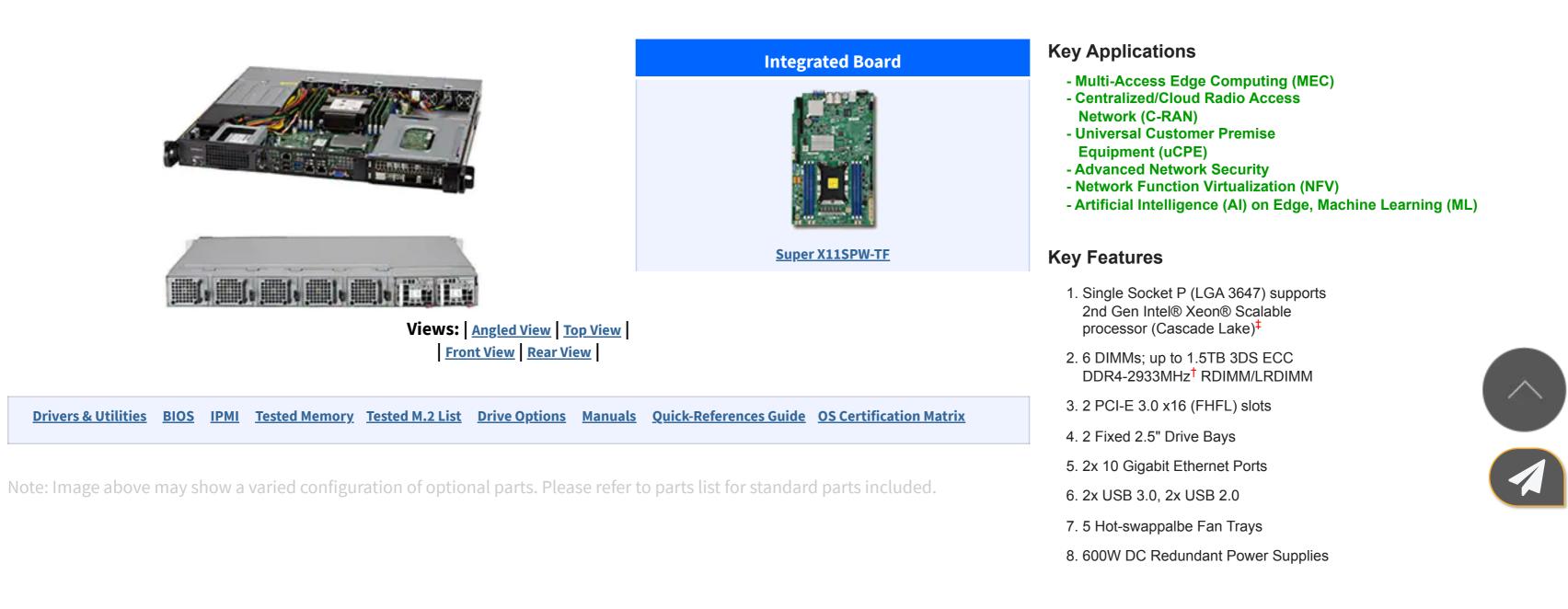


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## SuperServer 1019P-FRDN2T

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Specifications ^

Product SKUs		Chassis	
SYS-1019P-FRDN2T	SuperServer 1019P-FRDN2T ( <b>Black</b> )	Form Factor	1U Rackmount
Motherboard		Model	CSE-515M-R601
		Dimensions and Weight	

Super )	(11SPW-TF
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Processor/Cache		Height Width
CPU	Single Socket P (LGA 3647)	Depth
	2nd Gen Intel <sup>®</sup> Xeon <sup>®</sup> Scalable Processors and Intel <sup>®</sup> Xeon <sup>®</sup> Scalable Processors <sup>‡</sup>	Package
	Support CPU TDP 70-205W*	Weight
Cores	Up to 28 Cores	Available Colore
Note	* Certain high frequency optimized CPU are not supported, such as Intel Gold 6250 and 6256. Please contact Supermicro Technical Support for additional information.	Available Colors
Note	<sup>‡</sup> BIOS version 3.2 or above is required to support 2nd Gen Intel <sup>®</sup> Xeon <sup>®</sup> Scalable processors (codenamed Cascade Lake-R)	Buttons
System Memory		LEDs
Memory Capacity	6 DIMM slots Up to 1.5TB 3DS ECC DDR4-2933MHz <sup>†</sup> RDIMM/LRDIMM	
Memory Type	2933 <sup>†</sup> /2666/2400/2133MHz ECC DDR4 RDIMM/LRDIMM	Europeice Clote
Note	<sup>†</sup> 2933MHz in two DIMMs per channel can be achieved by using	Expansion Slots
	memory purchased from Supermicro <sup>††</sup> Cascade Lake only. Contact your Supermicro sales rep for more info.	PCI-Express M.2
On-Board Devices		
Chipset	Intel <sup>®</sup> C622 chipset	
SATA	SATA3 (6Gbps)	Drive Bays
Network Controllers	Dual 10GBase-T LAN with Intel <sup>®</sup> X722 + X557	Fixed
IPMI	Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN	System Cooling
Video	support ASPEED AST2500 BMC	Fans
Input / Output		600W -48V DC input Redun
SATA	2 SATA3 (6Gbps) ports	Total Output Power
LAN	2 RJ45 10GBase-T LAN ports	Dimension
	1 RJ45 dedicated IPMI LAN port	(W x H x L)
USB	2 USB 3.0 ports	DC Input +12V
	2 USB 2.0 ports	+12v +5V sb
Video	1 VGA port	Output Type
Serial Port / Header	1 COM port	
SuperDOM	Ports default connect to hard drive bays	Operating Environment

Height	1.7" (43mm)
Width	17.2" (437mm)
Depth	15.7" (399mm)
Package	8" (H) x 27" (W) x 24" (D)
Weight	Gross Weight: 29 lbs (13.15 kg) Net Weight: 18 lbs (8.16 kg)
Available Colors	Black
anel	
Buttons	Power On/Off button System Reset button
LEDs	Power LED Hard drive activity LED Network activity LEDs System Information LED Information LED (temp., status)
on Slots	
PCI-Express	2 PCI-E 3.0 x16 (FHFL) slots
M.2	1x M.2 Interface: PCI-E 3.0 x4 and SATA Form Factor: 2280, 22110 Key: M-Key Double Height Connector
ays	
Fixed	2 Fixed 2.5" Drive Bays
Cooling	
Fans	5x 40x56 Hot-Swappable Fan Trays
8V DC input Redunda	ant Power Supplies
Total Output Power	600W: -44Vdc to -65Vdc
Dimension (W x H x L)	54.5 x 40 x 220 mm
DC Input	-44Vdc to -65Vdc / 18 - 10A
+12V	Max: 50A / Min: 0A
+5V sb	Max: 3A / Min: 0A
Output Type	Gold Finger Connector Mating with Molex 45984-4343

System BIOS

System BIOS		RoHS	RoHS Compliant
BIOS Type Management	AMI 32Mb SPI Flash ROM	Environmental Spec.	Operating Temperature: 10°C ~ 40°C (50°F ~ 104°F) Non-operating Temperature:
Software Power Configurations PC Health Monitoring	Intel® Node Manager IPMI 2.0 KVM with dedicated LAN NMI SPM, SUM SuperDoctor® 5 Watch Dog ACPI / APM Power Management		-40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
CPU	Monitors for CPU Cores, Chipset Voltages, Memory. 4+1 Phase-switching voltage regulator		
FAN	Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors		
Temperature	Monitoring for CPU and chassis environment Thermal Control for fan connectors		

Parts List ^

## Parts List - (Items Included)

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	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11SPW-TF	1	Super X11SPW-TF Motherboard
	CSE-515M-R601	1	1U Chassis
Cable 1	CBL-0484L	2	55CM 30AWG SATA S-S CBL
Cable 2	CBL-OTHR-1214-24	2	FAN cbl,1x4,M, to 1x4,F,14CM,3A/pin,22AWG,RoHS
FAN 1	FAN-0207L4	5	40x40x56 mm, 13K-11K RPM,Counter-rotating, Hot-swappable Fan
Air Shroud	MCP-310-51507-0B	1	Mylar Air Shroud for SC515M + X11SPW/X12SPW
Riser Card	RSC-R1UW-2E16	1	1U LHS WIO Riser card with two PCI-E x16 slots
Heatsink / Retention	SNK-P0071VS	1	1U Proprietary Passive CPU Heat Sink (124 mm Long) for SYS-2029BZ-HNR Series Servers (X11
			2U4N 3UPI Big Twin)
* Power Supply	PWS-601D-1R	2	-48V DC input, 12V and 5Vsb 600W output for 1U redundancy
* Power Distributor	PDB-PT515M-2424	1	1U support redundancy up to 800W for SC515M chassis with ATX

	Part Number	Qty	Description
Network Card(s)	AOC-SGP-i2	-	Standard LP, 2x GbE RJ45, PCI-E x4, Intel i350-AM2
	AOC-SGP-i4	-	Standard LP, 4x GbE RJ45, PCI-E x4, Intel i350
	AOC-STGN-i2S	-	Standard Lp, 2x 10GbE SFP+, PCI-E x8, Intel 82599ES
	AOC-STGF-i2S	-	Standard Lp, 2x 10GbE SFP+, PCI-E x8, Intel X710-BM2
	AOC-STG-B4S	-	Standard Lp, 4x 10GbE SFP+, PCI-E x8, Broadcom BCM57840S
	AOC-STGS-i2T	-	Standard Lp, 2x 10GbE RJ45, PCI-E x8, Intel X550-AT2
	AOC-S25G-b2S	-	Standard LP, 2x 25GbE SFP28, PCI-E x8, Broadcom BCM57414
	AOC-S25G-m2S	-	Standard LP, 2x 25GbE SFP28, PCI-E x8, Mellanox CX-4 LX
TPM security module	AOM-TPM-9670VAOM-TPM-9671V	11	TPM 2.0, vertical form factorTPM 1.2, vertical form factor
<b>Global Services &amp; Support</b>	OS4HR3/2/1	-	3/2/1-year onsite 24x7x4 service
	<u>OSNBD3/2/1</u>	-	3/2/1-year onsite NBD service
Software	<u>SFT-OOB-LIC</u> • <i>e</i> Store	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)

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