

Chassis (Optimized for X9DR3-F)	
2U Chassis	▪ CSE-825TQ-R740LPB
3U Chassis	▪ CSE-835TQ-R920B
Tower / 4U Rackmount	▪ CSE-745TQ-R920B
Important Chassis Notes	▪ To support the new generation Intel® Xeon® processor-based motherboards, Revision M chassis is recommended. Please talk to your sales representative for details. ▪ Please use optional I/O shield MCP-260-00041-0N in Supermicro 1U chassis
Expansion Slots	
	▪ 3 (x16) PCI-E 3.0 slots ▪ 3 (x8) PCI-E 3.0 slots
PCI-Express	(Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram for details.)
System BIOS	
BIOS Type	▪ 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	▪ Plug and Play (PnP) ▪ APM 1.2 ▪ PCI 2.3 ▪ ACPI 1.0 / 2.0 / 3.0 / 4.0 ▪ USB Keyboard support ▪ SMBIOS 2.7.1 ▪ UEFI 2.3.1
Management	
Software	▪ IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support ▪ SuperDoctor® III ▪ Watch Dog ▪ NMI ▪ Optional IPMI 1.5 / 2.0
Power Configurations	▪ ACPI / APM Power Management ▪ Main Switch Override Mechanism ▪ CPU Fan auto-off in sleep mode ▪ Power-on mode for AC power recovery
PC Health Monitoring	
Voltage	▪ Monitors for CPU Cores, +1.1V, +1.5V, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, 4 Memory Voltages. ▪ 5+1 Phase-switching voltage regulator
FAN	▪ 8x 4-pin fan headers (up to 8 fans) ▪ 8x fans with tachometer monitoring ▪ Status monitor for speed control ▪ Status monitor for on/off control ▪ Low noise fan speed control ▪ Pulse Width Modulated (PWM) fan connectors
Temperature	▪ Monitoring for CPU and chassis environment ▪ CPU thermal trip support ▪ Thermal Control for 8x Fan Connectors ▪ °C temperature sensing logic ▪ Thermal Monitor 2 (TM2) support ▪ PECI
LED	▪ CPU / System Overheat LED
Other Features	▪ Chassis intrusion detection ▪ Chassis intrusion header ▪ SDDC Support
Operating Environment	
Operating Temperature Range	▪ 10°C - 35°C (50°F - 95°F)
Non-Operating Temperature Range	▪ -40°C - 70°C (-40°F - 158°F)
Operating Relative Humidity Range	▪ 8% - 90% (non-condensing)
Non-Operating Relative Humidity Range	▪ 5% - 95% (non-condensing)

Parts List (retail)			
	Part Number	Qty	Description
X9DR3-F	MBD-X9DR3-F	1	X9DR3-F Motherboard
I/O Cables	CBL-0044L	2	SATA CABLE 61CM FLAT S-S PBF
I/O Cables	CBL-0097L-03	2	30AWG 50CM Ipass to 4 SATA, W/50cm SB, S
I/O Shield	MCP-260-00042-0N	1	STD I/O shield for X9 socket R server MB with Gasket.

	Part Number	Qty	Description
Heat Sink (optional, not included)	-	-	CPU Heat Sink reference
TPM security module (optional, not included)	AOM-TPM-9655V AOM-TPM-9655H	-	TPM module with Infineon 9655, RoHS/REACH,PBF; Vertical or Horizontal depends on the server
SuperDOM	-	-	Supermicro SATA DOM Solutions [Details]