MULTI-SLOT PORTABLE CHASSIS

I-TECH COMPANY

17.3" LCD 1920x1080 VGA connector or DVI if adding video card, Rugged Aluminum portable enclosure with rubber corners, Resistive USB interface Touch, Foldable USA language keyboard w/touchpad, Super micro X11SPM-F, Micro ATX Server board, CPU supports up to 165W TDP
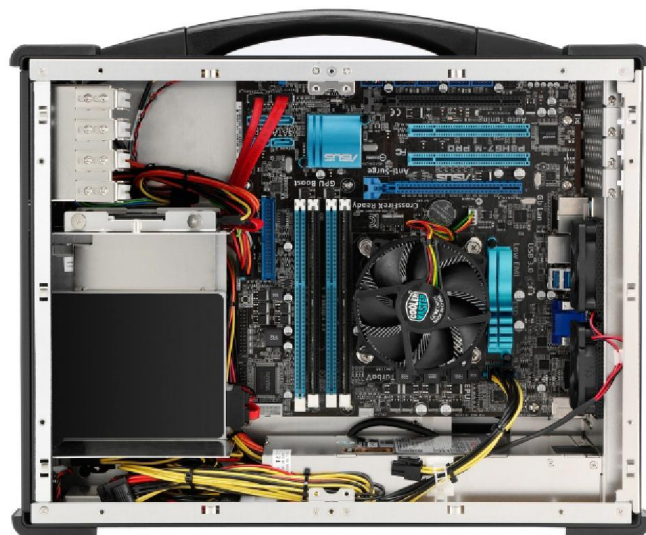
Model: BPC1700-X11SPM

FEATURES:

- 17.3" FHD LCD display, 1920x1080, LED backlight
- Support Micro ATX Motherboard
- Offer4 full length slots expansion capability
- Industrial multi-languages keyboard with touchpad
- 1 U 600W power supply, 100-240VAC
- Support 2x5.25", 1x 2.5" hidden,1x slim DVD-RW
- Carrying case to manage portable PC with ease

SPECIFICATION:

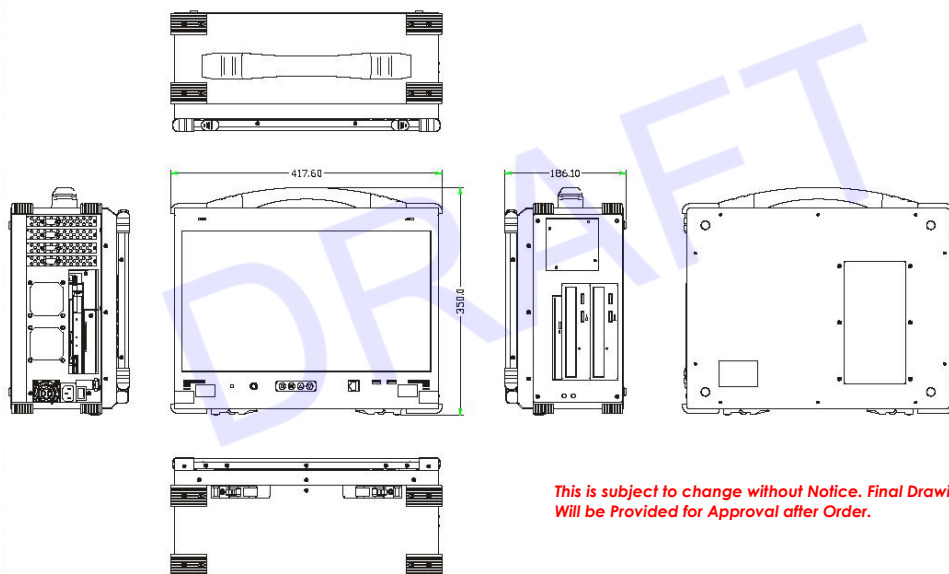|	
Motherboard	Support Micro ATX Motherboard
Slots	Offer4 full length expansion slots
Display	17.3" FHD LCD Display, 1920x 1080, LED backlight
Drive bay	Support 2x 5.25", 1x 2.5" hidden, 1x slim DVD-RW
VGA	AD conversion board, DVI interface (Option VGA)
KB/MS	104-key industrial multi-language Keyboard/touchpad
Power Supply	1 U 600W, 100-240VAC, Auto switch
Construction	Aluminum Construction with rubber corners
Speaker	Built-in amplified 2x 3W speakers
Dimension	417Wx350Hx186Dmm
Weight	8kgs
Carrying Case	Padded carrying case with wheels

ENVIRONMENT FACTORS:

	Operating	Non-Operating
Temperature	0°C~50°C	-20°C~60°C
Relative Humidity	10%~90%	10%~95%
Approval	CE, FCC, RoHS	

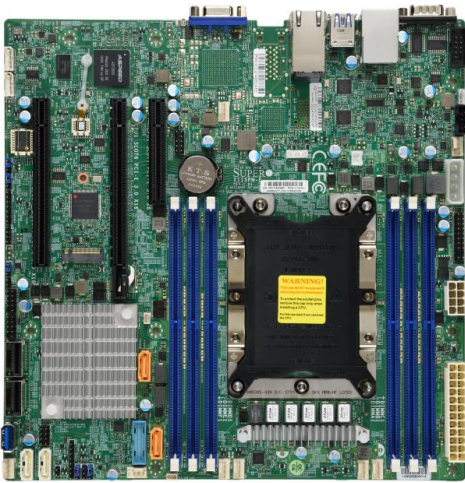*Specifications subject to change without notice, not responsible for typographical errors.*

MECHANICAL DRAWINGS:

417.60

186.10

350.0

This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.

MOTHERBOARD X11SPM-F

FEATURES

1. **2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors, , Single Socket LGA-3647 (Socket P) supported, CPU TDP support Up to 165W TDP**
2. **Up to 1.5TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 1.5TB 3DS ECC LRDIMM, DDR4-2933MHz, in 6 DIMM slots; Up to 1TB Intel Optane DC Persistent Memory in memory mode (Cascade Lake Only)**
3. **Intel® C621 Chipset**
4. **Expansion slots: 2 PCI-E 3.0 x16, 1 PCI-E 3.0 x8 (in x8)**
5. **2 GbE LAN ports**
6. **12 SATA3 (6Gbps) via C621**
7. **Supports 12V DC power input**
8. **I/O: 1 VGA, 2 COM, TPM header**
9. **5 USB 3.0 (2 rear, 1 Type-A, 2 via header), 6 USB 2.0 (2 rear, 4 via headers)**
10. **M.2 NGFF connector**
    M.2 Interface: PCI-E 3.0 x4
    Form Factor: 2242, 2280
    Key: M-Key
    Double Height Connector

Physical Stats	
Form Factor	microATX
Dimensions	9.6" x 9.6" (24.38cm x 24.38cm)
Processor/Cache	
CPU	2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors,
	Single Socket LGA-3647 (Socket P) supported, CPU TDP support Up to 165WTDP
Cores / Cache	Up to 28 cores
Note	BIOS version 3.0a or above is required to support 2nd Generation Intel Xeon Scalable Processors-SP
	BIOS version 3.2 or above is required to support 2nd Gen Intel® Xeon® Scalable processors (codenamed Cascade Lake-R)
System Memory	
Memory Capacity	Up to 1.5TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 1.5TB 3DS ECC LRDIMM, DDR4-2933MHz, in 6 DIMM slots;
	Up to 1TB Intel Optane DC Persistent Memory in memory mode (Cascade Lake Only)
Memory Type	2933/2666/2400/2133MHz ECCDDR4 RDIMM, LRDIMM
DIMM Sizes	RDIMM: 8GB, 16GB, 32GB, 64GB
	LRDIMM: 32GB, 64GB, 128GB
	3DS LRDIMM: 64GB, 128GB, 256GB
Memory Voltage	1.2V
Error Detection	Corrects single-bit errors
On-Board Devices	
Chipset	Intel® C621
SATA	Intel® C621 controller for 12 SATA3 (6 Gbps) ports; RAID 0,1,5,10
IPMI	ASPEED AST2500
Network Controllers	Dual LAN with 1 GbE with Intel® X722 + Marvell88E1512
Graphics	Aspeed AST2500 BMC
Input/Output	
SATA	12SATA3(6Gbps)port
LAN	2 1GbELANports
USB	6 USB 2.0 ports (2 rear + 4 headers)
	5 USB 3.0 ports (2 rear + 2 headers + 1 Type A)
Video Output	1 VGA port
Serial Port / Header	2 COM Ports (1 rear, 1 header)
TPM	TPM Header

Expansion Slots	
PCI-E	2 PCI-E 3.0 x16,
	1 PCI-E 3.0 x8
M.2	M.2 Interface: PCI-E 3.0 x4
	Form Factor: 2242, 2280
	Key: M-Key
	Double Height Connector
System BIOS	
BIOS Type	AMI UEFI
BIOS Features	ACPI 6.0
	RTC (Real Time Clock) Wakeup
	Up to 28 cores
	SMBIOS 3.0 or later
Management	
Software	Intel® Node Manager, IPMI2.0, KVM with dedicated LAN, NMI, SPM, SUM, SuperDoctor® 5, Watchdog
Power Configurations	ACPI Power Management
	Power-on mode for AC power recovery
PC Health Monitoring	
Voltage	+1.8V, +12V, +3.3V, +5V, +5V standby, 3.3V standby, 8 -fan status, Chassis intrusion header, Monitors CPU voltages, Supports system management utility, VBAT
FAN	8x 4-pin fan headers (up to 8 fans), Fan speed control, Overheat LED indication, PWM fan speed control, System level control
Temperature	CPU thermal trip support, PECI
LED	CPU / System Overheat LED, UID/Remote UID, Suspend static indicator LED
Other Features	ACPI power management, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, M.2 NGFF connector, RoHS, UID, WOL
Operating Environment	
Operating Temperature Range	0°C~60°C(32°F~140°F)
Non-Operating Temperature Range	-20°C~60°C(-4°F~140°F)
Operating Relative Humidity Range	10% ~ 85% (non-condensing)
Non-Operating Relative Humidity Range	10% ~ 95% (non-condensing)