
SPECIFICATION

Model No.: CTFINDUSB-32X7

I. Applications:

This specification specifies electrical, physical, mechanical features and etc external environment requirements to this industrial USB3.2 GenII 7-Port hub with model# CTFINDUSB-32X7.

II. Highlights:

- 7-Port Industrial USB 3.2 Hub and with built-in 15KV ESD Protection;
- Over-current detection and protection circuit design;
- Supports 600W power input surge protection on each port;
- Wall and DIN rail-mount supported;

III. Environmental Specifications:

Operating Temperature	-10°C—50°C	Storage Temperature	-20°C ~65°C
Operating Humidity	5%—85%	Storage Humidity	5%—95%
Operating Altitude	-1000 to 10000 Ft	Atmosphere	70—106Mpa

IV. Features:

- ◆ Industrial grade rugged metal enclosure design
- ◆ Redundant 9VDC up to 30VDC power input
- ◆ 15KV ESD USB interface protection
- ◆ Power input surge protection (600W) for each port
- ◆ Over-current detection and protection circuit design
- ◆ Wall and DIN rail mount support

V. Specification:

- ◆ Chipset: VL822Q7, VL817Q7S
- ◆ Compliant with Universal Serial Bus 3.2 Specification
- ◆ Maximum data transfer rate: 10Gbps
- ◆ Surge Protection: 600W (max)
- ◆ Supports USB Battery Charging v1.2
- ◆ Metal housing with mounting mechanism
- ◆ Interfaces/Ports:
 - Input: USB 3.2 GenII Type C
 - Input: Terminal block (3-Wire), Power
 - Input: DC power adapter jack (5.5mm x 2mm x 10mm)
 - Output: USB 3.2 GenII Type C x2 + USB 3.2 GenI Type A x5
- ◆ Power requirements:
 - Input voltage: 9VDC~30VDC
 - Output current: 2x USB-C with each 2.4A, 4x USB-A with each 1A, 1x USB-A with 2.4A, total 56W max
- ◆ Power consumption: 60W
- ◆ LED Indicate power on:

◆ Package Contents:

USB3.2 C TO C CABLE 1M	1PC
DIN RAIL	1PC
WALL MOUNT KIT	1SET
SCREW PACK	1PACK
USER MANUAL	1PC
3 PIN TERMINAL	1PC

VI. Physical Specifications:

- ◆ Dimensions: 138.8*68.5*25 mm
- ◆ Net Weight: 298 g
- ◆ Color: Black;

VII. Benchmark Test:

◆ Test Environment

Item	Name	Specification	Item	Name	Specification
1	OS	WINDOWS 10 64bit	2	CPU	AMD Ryzen5 3400G
3	MB	ASUS X570-PRO	4	DDR	8GB
5	Graphics	integrated	6	USB3.2(10G)	integrated

◆ Test Data

Testing Software	AS SSD Benchmark				
ASM235 主控 IC 外接盒+Teclast SATA SSD SD256GBA800 256G	PORT 1	USB2.0	READ: 38.67MB/S	WRITE: 38.44MB/S	
		USB3.2	READ:382.13MB/S	WRITE: 360.34MB/S	
	PORT 2	USB2.0	READ: 38.67MB/S	WRITE: 38.43MB/S	
		USB3.2	READ: 383.54MB/S	WRITE: 361.37MB/S	
	PORT 3	USB2.0	READ: 38.67MB/S	WRITE: 38.34MB/S	
		USB3.2	READ: 381.94MB/S	WRITE: 359.10MB/S	
	PORT 4	USB2.0	READ: 38.66MB/S	WRITE: 38.33MB/S	
		USB3.2	READ: 382.56MB/S	WRITE: 362.93MB/S	
	PORT 5	USB2.0	READ: 38.71MB/S	WRITE: 38.58MB/S	
		USB3.2	READ: 388.5MB/S	WRITE: 363.8MB/S	
	RTL9210 主控 IC 外接盒+ SAMSUNG NVME M.2 SSD 970EVO Plus 250G	PORT 6	USB2.0	READ: 39.18MB/S	WRITE: 38.98MB/S
			USB3.2_A	READ: 879.21MB/S	WRITE: 760.36MB/S
USB3.2_B			READ: 876.87MB/S	WRITE: 761.95MB/S	
PORT 7		USB2.0	READ: 39.18MB/S	WRITE: 39.0MB/S	
		USB3.2_A	READ: 879.15MB/S	WRITE: 757.29MB/S	
		USB3.2_B	READ: 872.55MB/S	WRITE: 759.39MB/S	

Note: Above records are only for ref., test result will be different under different test environments or different HDDs.

VIII. Data Screenshots:

Test Type	Read (MB/s)	Write (MB/s)
Seq	38.67	38.44
4K	10.44	15.38
4K-64Thrd	10.70	16.10
Acc.time	0.455	0.296
Score:	25	35
78		

Test Type	Read (MB/s)	Write (MB/s)
Seq	382.13	360.34
4K	17.48	40.04
4K-64Thrd	19.26	44.99
Acc.time	0.268	0.241
Score:	75	121
241		

◆ Port 1_USB2.0/USB3.2 w/ 256G 2.5" SSD Testing:

Test Type	Read (MB/s)	Write (MB/s)
Seq	38.67	38.43
4K	10.45	15.35
4K-64Thrd	10.69	16.31
Acc.time	0.456	0.296
Score:	25	35
78		

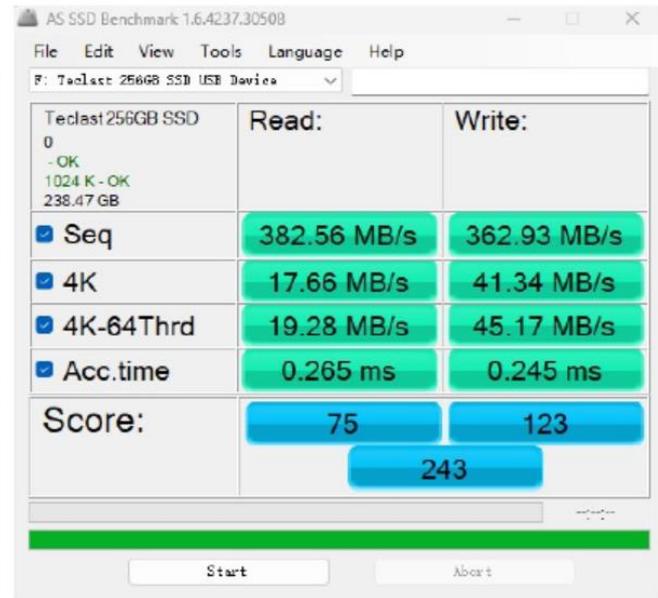
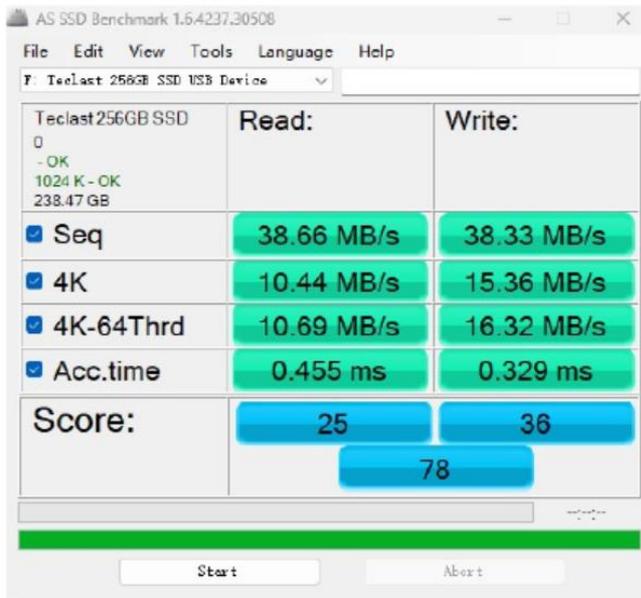
Test Type	Read (MB/s)	Write (MB/s)
Seq	383.54	361.37
4K	17.52	40.01
4K-64Thrd	19.21	45.01
Acc.time	0.267	0.221
Score:	75	121
241		

◆ Port 2_USB2.0/USB3.2 w/ 250G 2.5" SSD Testing:

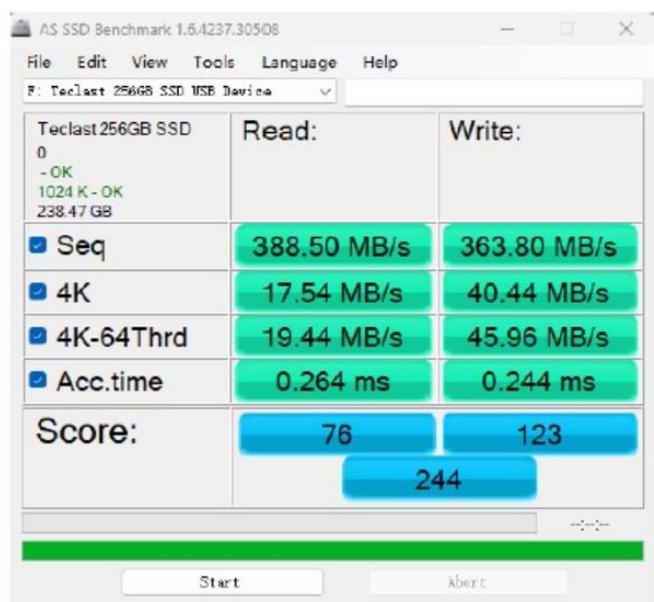
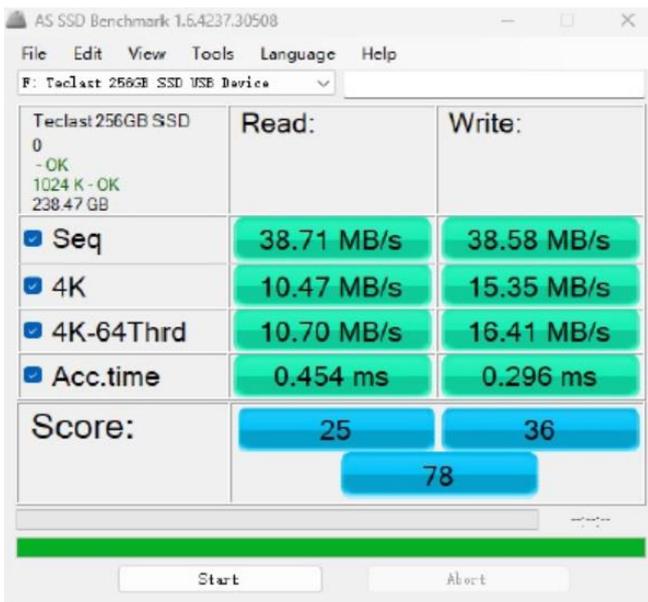
Test Type	Read (MB/s)	Write (MB/s)
Seq	38.67	38.34
4K	10.44	15.35
4K-64Thrd	10.69	16.17
Acc.time	0.456	0.297
Score:	25	35
78		

Test Type	Read (MB/s)	Write (MB/s)
Seq	381.94	359.10
4K	17.67	41.31
4K-64Thrd	19.21	43.95
Acc.time	0.265	0.222
Score:	75	121
241		

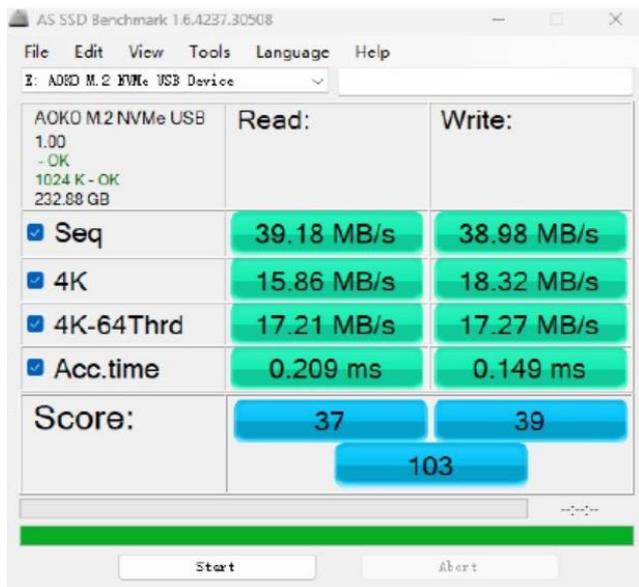
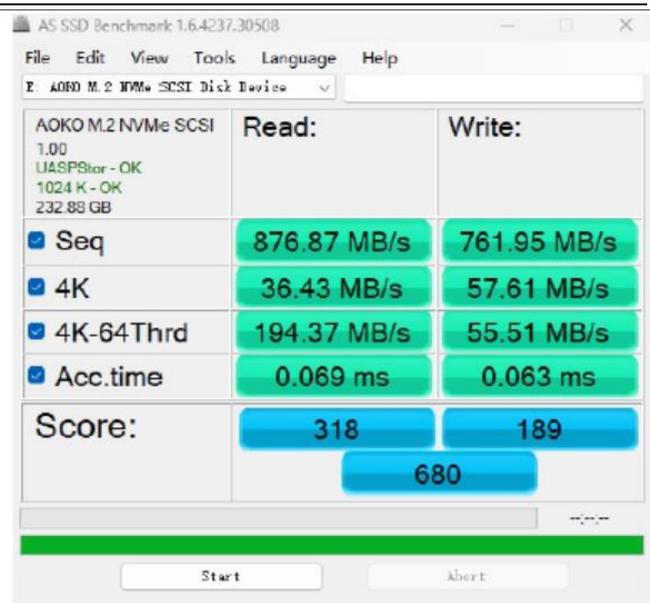
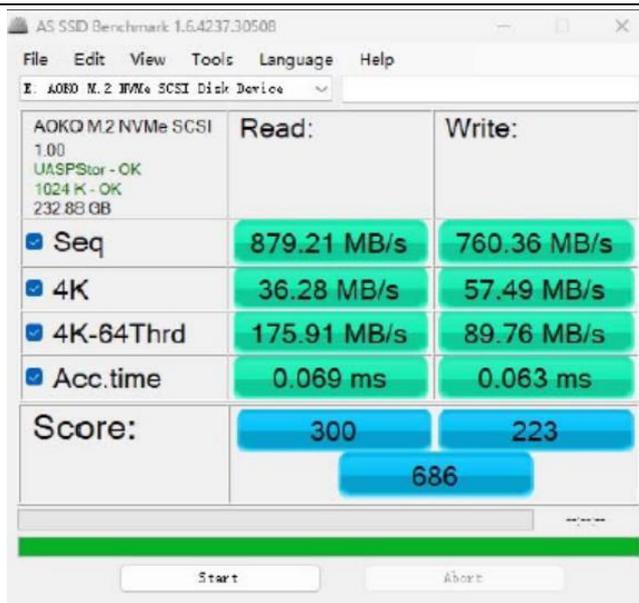
◆ Port 3_USB2.0/USB3.2 w/ 256G 2.5" SSD Testing



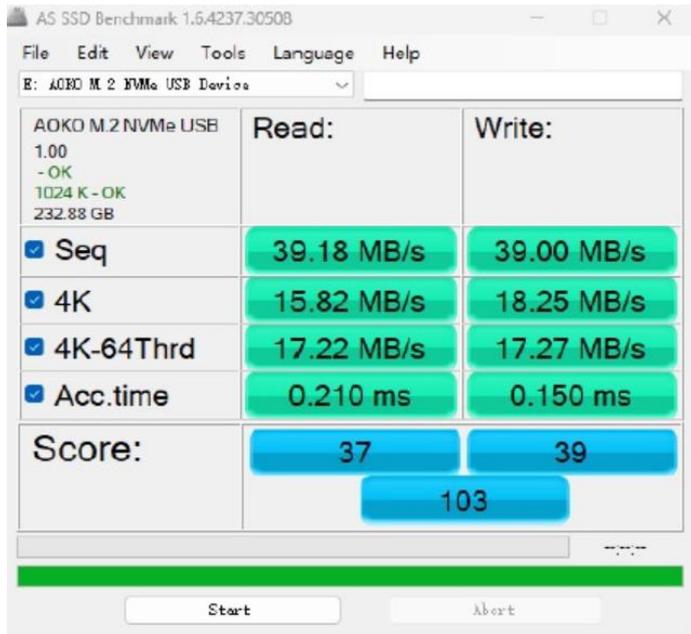
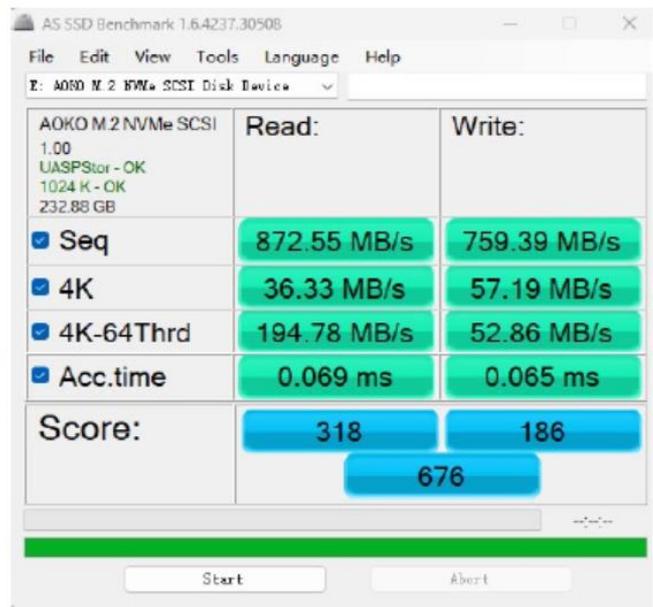
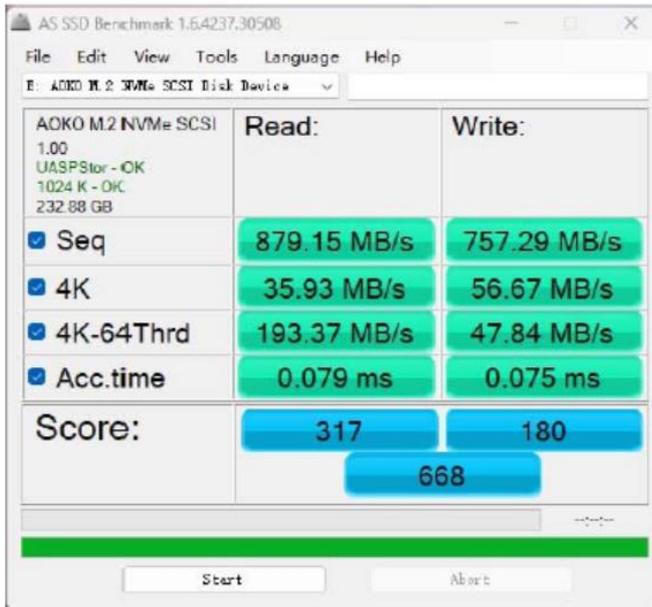
◆ Port 4_USB2.0/USB3.2 w/ 256G 2.5" SSD Testing



◆ Port 5_USB2.0/USB3.2 w/ 256G 2.5" SSD Testing

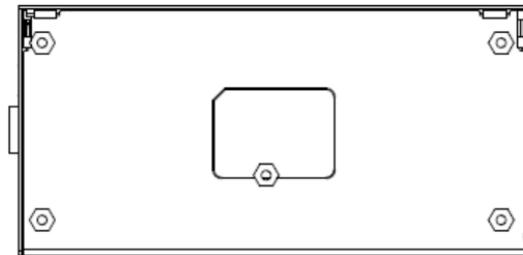
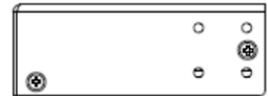
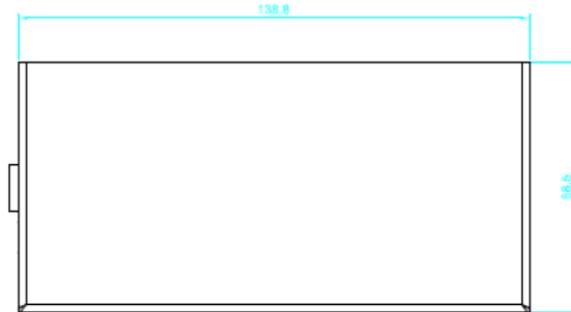
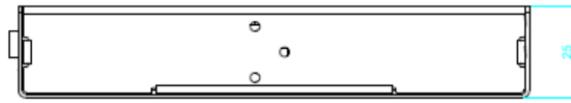


◆ Port 6_USB2.0/USB3.2 w/ 250G M.2 SSD Testing

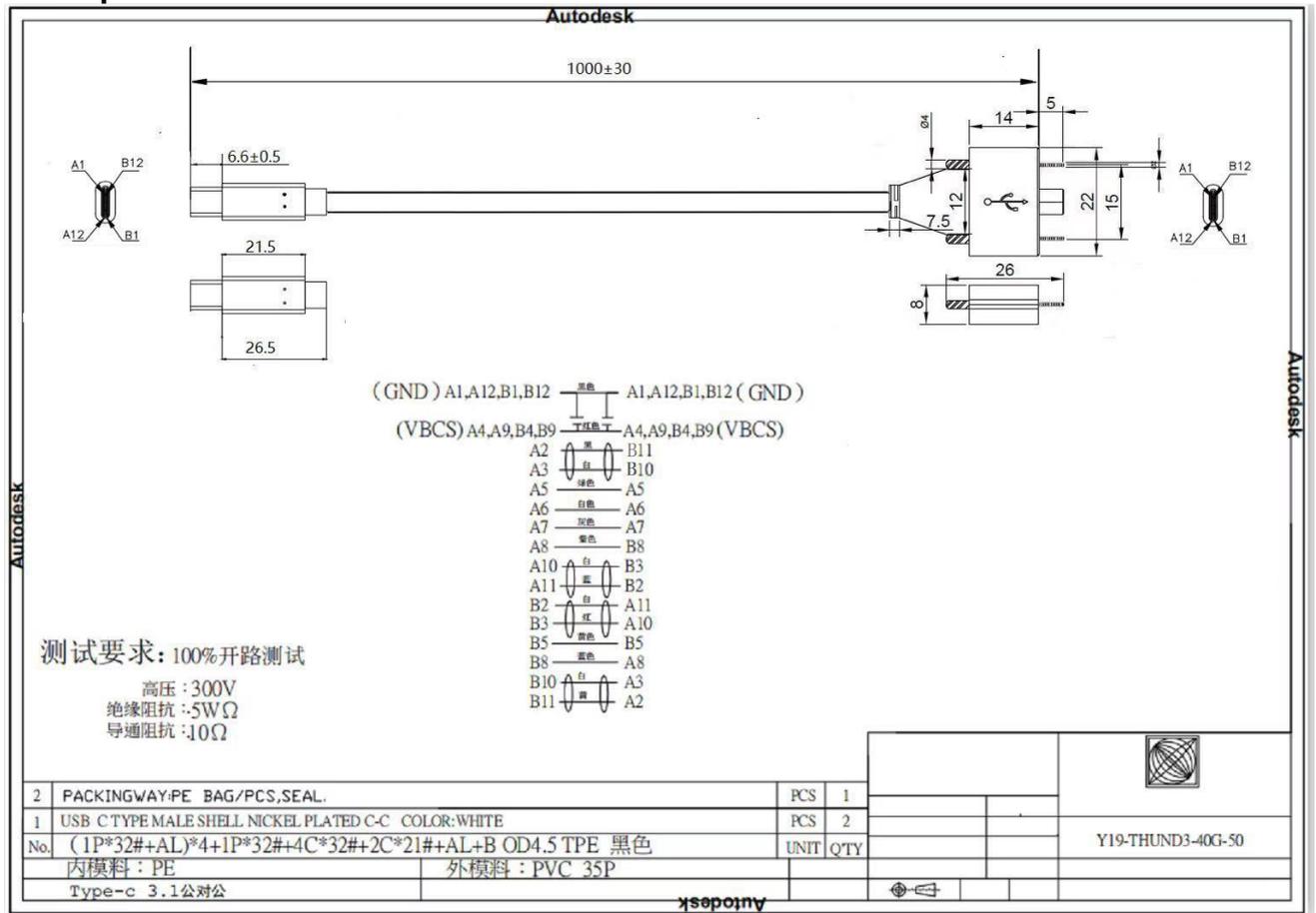


◆ Port 7_USB2.0/USB3.2 w/ 250G M.2 SSD Testing

IX. Device Drawing:



X. able Specification:



XI. Packing & Storage:

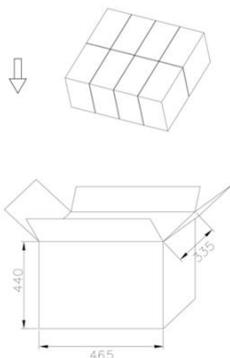
◆ Packaging: White box

◆ Storage:

The unit should be stored in a clean, dry and ventilated circumstance, with temperature of -20°C~65°C typically;

And it should be avoided to touch with the corrosive substance and should be away from excessive heat and open flames.

◆ Packing:



Instruction:

1. one product in each box

2.2 layers total,20 pcs/ctn

3.carton size:455x345x435 mm

Remark: the material of carton and paperboard is K=K, thickness 6mm±1

XII.Product Photo:

