

ICS

1110S



Server-grade Intel® Xeon® D-2800/D-2700 Processor
High-performance Storage Server System



▲ Data Storage

- Server-level Platform : Intel® Xeon® D-2800/D-2700 Processor (Eddy Lake D), supports up to 22 cores
- 2 10G SFP+, 4 GigE LAN, 4 USB, 16-bit Isolated DIO
- 2 Front-access 2.5" SSD/HDD Tray, 10 M.2/U.2 PCIe x4 Storage Devices with Intel® VROC Key supports RAID 0, 1, 5, 10
- Multiple 5G/WiFi 6/4G/LTE/GPRS/UMTS
- Supports Intel® vPro, Intel® QAT (Quick Assist Technology), TPM 2.0
- DC 16V to 50V, Software Ignition Control
- Supports remote devices Out-Of-Band management functions powered by Allxon



▼ Data Protection



▲ Data Management



Vecow



Specifications

System

Processor	- 16-core Intel® Xeon® D-2876NT Processor (Eddy Lake D HCC) - 12-core Intel® Xeon® D-2752TER Processor (Ice Lake D HCC)
BIOS	AMI
SIO	IT8786E
Memory	8 DDR4 UDIMM/RDIMM 2933MHz, up to 512GB (ECC support by UDIMM only)
OS	Windows 10, Windows Server, Linux

I/O Interface

Serial	4 COM RS-232/422/485
USB	- 2 USB 3.0 Type-A - 2 USB 2.0 Type-A
Isolated DIO	16 Isolated DIO : 8 DI, 8 DO
Display	VGA : Up to 1920 x 1080 @60Hz
LED	Power, HDD, Wireless
SIM Card	1 External Nano SIM Card Socket

Expansion

PCIe	1 PCIe x16 slot with PCIe x2 signal (Gen 4)
M.2	- 1 M.2 Key B Socket (3042/3052/2280, PCIe x2/USB 3.0) - 1 M.2 Key E Socket (2230, PCIe x1)

Storage

SATA	2 SATA III (6Gbps) support software RAID 0, 1 - 2 Front-access 2.5" SSD/HDD Tray
M.2	1 M.2 Key M Socket (2280/22110, PCIe x2/SATA)
U.2	10 U.2 Front-access tray (PCIe4) support RAID 0, 1, 5, 10 *M.2 supported by optional accessory

Ethernet

LAN 1 to LAN 4	Intel® I350 GigE LAN
LAN 5 to LAN 6	10G SFP+ LAN by Intel® Xeon® SoC (OS Windows Server support only)

Power

Power Input	DC 16V to 50V
Power Interface	2-pin Terminal Block : V+, V-
Ignition Control	16-mode Software Ignition Control
Remote Switch	3-pin Terminal Block

Out-of-Band Management

MCU	Nuvoton NUC980
Interface	OOB LAN, 10/100Mb Ethernet LAN, RJ45 Connector
Remote Management	Support Remote Power ON/OFF, Reset and Power Cycling

Others

TPM	Infineon SLB9670 supports TPM 2.0, SPI Interface
Watchdog Timer	Reset : 1 to 255 sec./min. per step
Smart Mgmt.	Wake on LAN, PXE supported
HW Monitor	Monitoring temperature, voltages. Auto throttling control when CPU overheats.

Mechanical

Dimensions	243.5mm x 271.3mm x 390.0mm (9.58" x 10.68" x 15.35")
Weight	7.9kg (17.41lb)
Mounting	Wallmount by mounting bracket

Environment

Operating Temperature	0°C to 60°C (32°F to 140°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Humidity	5% to 95% Humidity, non-condensing
Relative Humidity	95% @60°C
Vibration	MIL-STD-810G method 514.6, Category 4
Shock	MIL-STD-810G method 516.6, Procedure I
EMC	CE, FCC, ICES, EN50155, EN50121-3-2

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Order Information

Model	CPU	LAN		PCIe x2	U.2 Tray	SSD Tray	Power Input
		10G SFP+	1G				
ICS-1110S-2876NT	D-2876NT	2	4	1	10	2	DC
ICS-1110S-2752TER	D-2752TER						

Accessories

DDR4 64G	Certified DDR4 64GB 2933MHz RAM (RDIMM only)
DDR4 32G	Certified DDR4 32GB 2933MHz RAM
DDR4 16G	Certified DDR4 16GB 2933MHz RAM
DDR4 8G	Certified DDR4 8GB 2933MHz RAM
PWS-480W-WT	480W, 24V, 90V AC to 264V AC Power Supply
TMK2-20P-100	Terminal Block 20-pin to Terminal Block 20-pin Cable, 100cm
TMK2-20P-500	Terminal Block 20-pin to Terminal Block 20-pin Cable, 500cm
TMB-TMBK-20P	Terminal Board with One 20-pin Terminal Block Connector and DIN-Rail Mounting
M.2 Storage Module	M.2 Key M/Key B Storage Module
U.2 Storage Module	U.2 Storage Module
VROC Key	- VROC Key Standard (supports RAID 0, 1, 10) - VROC Key Premium (supports RAID 0, 1, 5, 10)
M.2 to U.2 Module	M.2 to U.2 Module
5G Module	5G Module with Antenna
4G Module	4G/GPS Module with Antenna
WiFi & Bluetooth	WiFi & Bluetooth Module with Antenna

Dimensions & Drawing

Unit : mm (inch)

