



Humanism, Science and Technology Integration

Chenming envisions its promises as the perfect guidance, as progress is a never ending process.



CHENMING ELECTRONIC TECH. CORP.

Corporate Profile

Chenming Electronic Tech, Corp. (UNEEC) is one of the major global OEM/ODM manufacturers.

In 2006, headquarters have been established in Taipei Taiwan with the global ambition for the future.

There are a total of four manufacturing bases with two in mainland China at Dongguan and Ningbo and one in APEX Thailand and one in Zhongli Taiwan to provide global customers a prompt and flexible OEM and ODM production services. Chenming is familiar by top branding computer companies for its computer barebones manufacturing, as one of the leading manufacturers.



UNEEC Website



UNEEC Computex 2025

- 1 Rack**
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- 9 Coolant Distribution Manifold**
- 10 Liquid Cooling Floating Module**

1 Rack

uneec®

X



Liquid to Air Sidecar Heat Rejection Unit

Technical Specifications

Dimension (W x D x H)	600 x 1200 x 2300 mm
Cooling Capacity	120 kW
Coolant	PG25
Approach Temperature Difference (ATD)	10 °C
Air Side Temp. (in/out)	32 °C/41 °C
Liquid Side Temp. (in/out)	54 °C/42 °C
Rated Flow Rate	180 LPM
Pressure Head	3 Bar
Rated Air Flow	15400 CFM
System Impedance	20 mmAq
Power Input	3P AC 380V
Power Consumption	13 kW
Pump	Redundant Pumps (2 + 1)
Fan	14
Filter	200 µm
Communication	Modbus RTU & TCP/IP & SNMP
Weight	500 kg



OCP ORv3 MGX Rack

Technical Specifications

Model	ORV3 Rack (Customization)
Type	ORV3 with EIA Adaptor
Dimension (W x D x H)	600 x 1128 x 2286 mm
Weight	450 kg
Loading	> 1200 kg
Manifold	Customized



1 Rack



Air Assisted Liquid Cooling Rack

Technical Specifications

Type	EIA 310, 19"
Dimension (W x D x H)	600 x 1513 x 2048 mm
Cooling Capacity	50 kW
Coolant	PG25
Rated Flow Rate	60 LPM
Pressure Head	25 PSI
Rated Air Flow	15568 CFM
Power Input	380V/220V 3 ϕ 4W + GND
Power Consumption	12.86 kW
Pump	2
Fan	14
Communication	Modbus RTU & TCP/IP & SNMP
Manifold	Customized
Weight	450 kg



Rear Door Heat Exchanger (RDHx)

Technical Specifications

Type	EIA 310, 19"
Dimension (W x D x H)	600 x 1513 x 2048 mm
Cooling Capacity	50 kW
Rated Flow Rate	60 LPM
Pressure Head	25 PSI
Rated Air Flow	15568 CFM
Power Input	380V/220V 3 ϕ 4W + GND
Power Consumption	12.86 kW
Fan	14
Communication	Modbus RTU & TCP/IP & SNMP
Weight	450 kg

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X

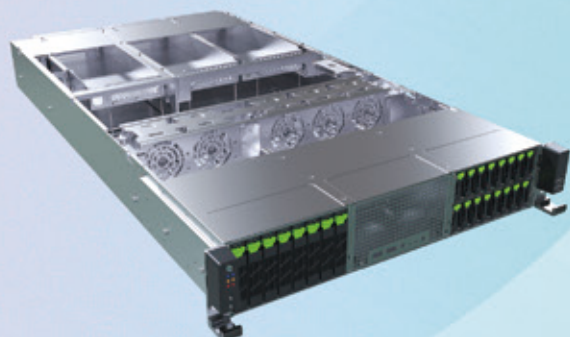


Liquid to Liquid in Row CDU Heat Rejection Unit

Technical Specifications

Model	YS-LC1400
Dimension (W x D x H)	1320 x 1200 x 2410 mm
Cooling Capacity	1.4 MW
Coolant	PG25
Approach Temperature Difference (ATD)	6 °C
Primary Side Liquid Temp. (in/out)	20 °C/30 °C
Secondary Side Liquid Temp. (in/out)	36 °C/26 °C
Secondary Side Rated Flow Rate	1500 LPM
Pressure Head	10 Bar
Power Input	3P AC 380 V
Power Consumption	30 kW
Pump	Redundant pumps (3 + 1)
Primary Filter	500 µm
Secondary Filter	200 µm
Communication	Modbus RTU & TCP/IP & SNMP
Unit Dry Weight	1600 kg
Unit Operating Weight	1800 kg

3 DC-MHS Server



2U Rack Mount DC-MHS With M-DNO TYPE2 HPM Server

Specification

Dimensions (D x W x H)	850 x 438.5 x 87.5 mm
Form Factor	M-DNO TYPE2 HPM
Air Cooling	Fan 6056x7
Front I/O Buttons	Power On/Off, Alarm Reset
Indicators	Power, HDD
Ports	USB3.0 x2
Expansion Slot	DUAL FHFL PCIe AIC x3
Expansion Module	OCP DC-SCM 2.0 OCP NIC 3.0
Storage	SSD E1.S 15mm (H) x 16, 2.5" HDD x8, SSD E1.S 9mm (H) x2 3.5" Hot-Swap SAS/SATA x12, SSD E1.S 9mm (H) x2
Power Supply	CRPS AC-DC x2



2U Rack Mount DC-MHS With M-FLW HPM Server

Specification

Dimensions (D x W x H)	850 x 438.5 x 87.5 mm
Form Factor	M-FLW HPM
Air Cooling	Fan 6056x8
Front I/O Buttons	Power On/Off, Alarm Reset
Indicators	Power, HDD
Ports	USB3.0 x2
Expansion Slot	FHFL PCIe x6
Expansion Module	OCP DC-SCM 2.0 OCP NIC 3.0
Storage	SSD E1.S 15mm (H) x 16, 2.5" HDD x8 3.5" Hot-Swap SAS/SATA x12
Power Supply	CRPS AC-DC x2

4 Edge-MHS Server

uneec® X Inventec



EdgePro (EP) 1U Server

Form Factor	1U1N1P W x H x D: 435 x 42.88 x 430 mm (17.13" x 1.69" x 16.93")
Processor	Single Socket-E2 (LGA4710-2) Intel® Xeon® 6500/6700-Series Processor with P-cores Intel® Xeon® 6700-Series Processor with E-cores
Memory	8 DIMM slots 1 DPC, DDR5, up to 6400 MT/s
Storage	4 NVMe Gen5 x 4 M.2 SSDs 2280 or 22110 (total capacity up to 15.36 TB) 6 NVMe Gen5 x 4 E1.S SSDs (total capacity up to 92.16 TB) Intel VROC SW RAID capable
Network	Embedded Intel i210 1 Gb 2 ports
Management	DC-SCM 2.2 Module with: 1 x USB3.0 port 1 x Mini Display port 1 x RJ45 Management port
I/O Expansion	2 x PCIe Gen5 x 16 Low Profile slots 2 x PCIe Gen5 x 16 SS FHFL slot (Optional)
Power	(DC-IN) DC-IN 54 V (AC-IN) AC-DC CRPS 1500 W, Support 1 + 1 Redundant
Fan	(DC-IN) 6 Dual Rotor Fans Support N + 1 Redundant with Optimal Fan Speed Control High PQ Performance & Low Power Consumption (AC-IN) 4 Dual Rotor Fans

4 Edge-MHS Server

uneec® X Inventec



EdgePro (EP) 2U Server

Form Factor	2U1N1P W x H x D: 438 x 87.6 x 430 mm (17.24" x 3.45" x 16.93")
Processor	Single Socket-E2 (LGA4710-2) Intel® Xeon® 6500/6700-Series Processor with P-cores Intel® Xeon® 6700-Series Processor with E-cores
Memory	8 DIMM slots 1 DPC, DDR5, up to 6400 MT/s
Storage	4 NVMe Gen5 x 4 M.2 SSDs 2280 or 22110 (total capacity up to 15.36 TB) Up to 6 NVMe Gen5 x 4 E1.S SSDs (total capacity up to 92.16 TB) Intel VROC SW RAID capable
Network	Embedded Intel i210 1 Gb 2 ports
Management	DC-SCM 2.2 Module with: 1 x USB3.0 port 1 x Mini Display port 1 x RJ45 Management port
I/O Expansion	(DC-IN) 2 x PCIe Gen5 x 8 Low Profile slots 6 x PCIe Gen5 x 8 SS FHFL slot (Optional) 3 x PCIe Gen5 x 16 DS FHFL slot (Optional) (AC-IN) 2 x PCIe Gen5 x 8 Low Profile slots 4 x PCIe Gen5 x 8 SS FHFL slot (Optional) 2 x PCIe Gen5 x 8 SS FHHL slot (Optional) 2 x PCIe Gen5 x 16 DS FHFL slot (Optional)
Power	(DC-IN) DC-IN 54 V (Optional External 1500 W AC to DC Adaptor) (AC-IN) AC-DC CRPS 800W 1500 W, Support 1 + 1 Redundant
Fan	6 Dual Rotor Fans Support N + 1 Redundant with Optimal Fan Speed Control High PQ Performance & Low Power Consumption

4 Edge-MHS Server

uneec® + intel.



2U2N Narrow



2U3N Narrow/Large



2U3N Narrow



2U1N Large



2U4N Narrow



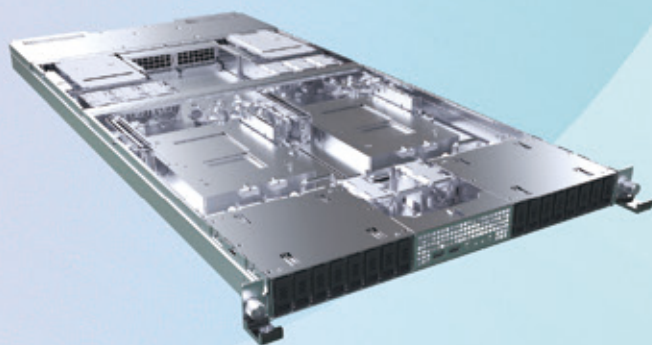
2U2N Large



Power Edge 2U Server

Form Factor	2U2N/2U3N/2U4N W x H x D: 438 x 87.6 x 430 mm (17.24" x 3.45" x 16.93")
SLED	1U/2U Narrow Type W x D: 171.65 mm x 351.6 mm 1U/2U Large Type W x D: 347.5 mm x 351.6 mm
Processor	Design for Intel® Xeon Series
HPM	Edge-HPM Compliance
Management	Class N/Class L up to 350 mm Depth
Duct Filter	1U CFF/HFF DC-SCM Support
Security	Intrusion Detection
Power	AC/DC M-CRPS 60 mm/73.5 mm, 1 + 1 Redundant
Fan	6 x 6056 Dual Rotor Hot Swap Fan
Mount Type	EIA 19" Rack, Adjustable Ear

5 MGX Server



1U Rack Mount Micro MGX Server

Specification

Dimensions (D x W x H)	980 x 438.5 x 87.5 mm
Form Factor	Micro-MGX HPM x 2
	Single NVIDIA Grace CPU Superchip
Air Cooling	Fan 4056x6
Front I/O Buttons	Power On/Off, Alarm Reset
Indicators	Power, HDD
Ports	USB3.0 x 2
Expansion Slot	DUAL FHFL PCIe AIC x 2
Storage	SSD E1.S 15mm (H) x 16
Power Supply	CRPS AC-DC x 2



2U Rack Mount Micro MGX Server

Specification

Dimensions (D x W x H)	980 x 438.5 x 87.5 mm
Form Factor	Micro-MGX HPM
	Single NVIDIA Grace CPU Superchip
Air Cooling	Fan 6056x9
Front I/O Buttons	Power On/Off, Alarm Reset
Indicators	Power, HDD
Ports	USB3.0 x 2
Expansion Slot	DUAL FHFL PCIe AIC x 6
Storage	SSD E1.S 15mm (H) x 16
	2.5" HDD x 6
Power Supply	CRPS AC-DC x 2

6 General Purpose Server



2U 8 Bays



2U 12 Bays



2U 24 Bays



Clone Server-2U-UNS8 (8/12/24 Bays)

Specification

Dimensions (D x W x H)	660 x 435 x 87 mm
	560 x 435 x 87 mm
M/B Form Factor	EEB(12" x 13"), ATX(12" x 9.6")
Drive Bay	8 x 3.5" Hot-Swap SAS/SATA
	2 x 2.5" Internal, 1 x Slim ODD
	12 x 3.5" Hot-Swap SAS/SATA
	24 x 2.5" Hot-Swap SAS/SATA
Backplane	12 Gb/s Mini SAS HD with SGPIO Support
	2.5" 8-port PCIe Gen 4, OCuLink
Cooling Fan	8038 Hot-Swap PWM x 3
Front I/O Buttons	Power On/Off, System Reset, Alarm Reset
Indicators	Power, HDD, LAN x 2, FAN Failure, Overheat
Ports	USB3.0 x 2
Expansion Slots	Low Profile x 7
Power Supply	2U Single, 2U Redundant



Clone Server-4U

Specification

Dimensions (D x W x H)	660 x 438 x 176 mm
M/B Form Factor	EEB (12" x 13")
Drive Bay	3.5" Hot-Swap SAS/SATA x 12, 2.5" Internal x 3
	3.5" Hot-Swap SAS/SATA x 8, 2.5" Internal x 2
	5.25" ODD x 3, Slim ODD x 1
Backplane	12 Gb/s Mini SAS HD with SGPIO Support
Cooling Fan	12025 Fan x 3, 8025 Fan x 2
Front I/O Buttons	Power On/Off, System Reset, Alarm Reset
Indicators	Power, HDD, LAN x 2, Fan Failure, Overheat
Ports	USB3.0 x 2
Expansion Slots	7 Slots
Power Supply	2U Single, 2U Redundant



Small Tower Chassis

Specification

Dimensions (D x W x H)	435 x 210 x 450.5 mm
Maximum GPU\VGA Length	410 mm
Maximum PSU Length	150 mm
Maximum CPU Cooler Height	155 mm
Expansion Slots	5
Case Drive Bays	2+2
Form Factor	Micro ATX
Case Window	Tempered Glass
Case Front IO	USB3.0 x 1, USB2.0 x 1, Audio in/out x 1
Color	Black
Case Power Supply	Micro ATX PSU



Middle Tower Chassis

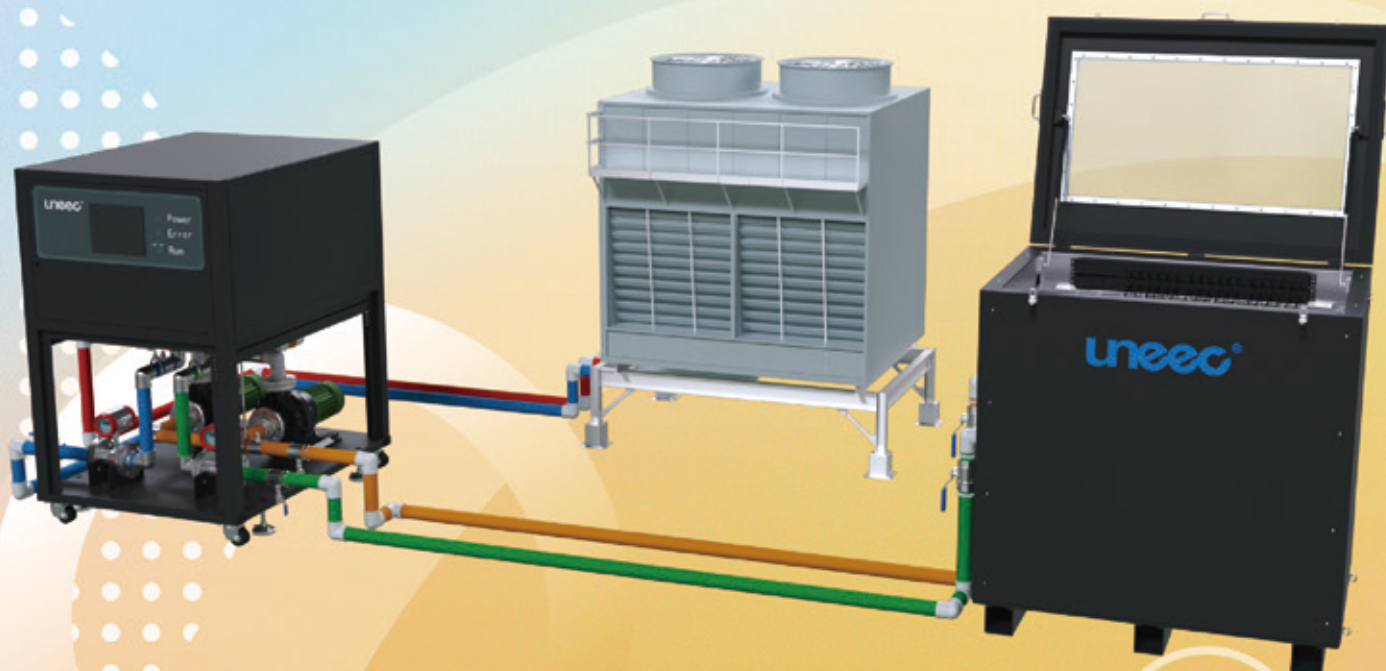
Specification

Dimensions (D x W x H)	487(D) x 210(W) x 486(H) mm
Maximum GPU\VGA Length	410 mm
Maximum PSU Length	265 mm
Maximum CPU Cooler Height	165 mm
Expansion Slots : 7	7
Case Drive Bays	3.5" HDD x 1 & 2.5" SSD x 3 or 3.5" HDD x 2 & 2.5" SSD x 2
Form Factor	E-ATX, ATX, M-ATX, Mini-ITX
Case Window	Tempered Glass
Case Front IO	USB3.0 x 1, USB2.0 x 1, Audio in/out x 1
Color	Black
Case Power Supply	ATX PSU
Support Hydrocooling	Front 360 mm Top 360 mm (Non-Coexistence) Rear 120 mm MB 280 mm

Immersion Cooling (24U Tank)

Single Phase Immersion Cooling Solution

IT Gear Capacity	24 RU 850mm Max. Server Depth	PUE	1.02
Dimensions	1354(D) x 959(W) x 1389(H) mm	Monitoring Sensor	Thermocouple, Liquid Level Flow Meter
Material	SUS/SGCC	Managing Monitoring Functions	SNMP, Modbus
Coolant Volume	657L	Alarm	Thermocouple, Pressure Flow Meter, Pump
Coolant Capacity	80kW @ approach temp. 5°C	Ambient Air Temperature	5°C ~ 35°C
Coolant	Synthetic Oil	Power Supply	1P 220VAC 50/60Hz, IEC C20 Socket



8 Immersion Cooling

uneec® X intel X GIGABYTE™ X JWS X Castrol

Intel Targeted Flow Immersion Cooling Technology

Technical Specifications

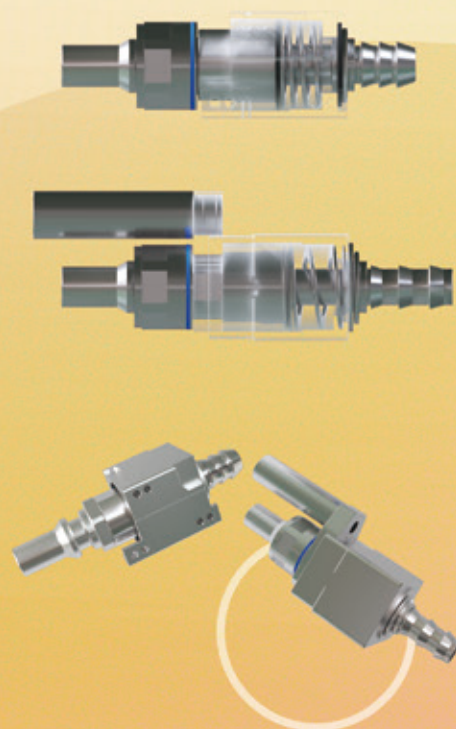
Dimensions	4 RU 800mm Max. Server Depth
IT Gear Capacity (D x W x H)	915 x 942 x 1262 mm
Material	SUS/SGCC/SPCC
Coolant Volume	150 L
Cooling Capacity	7 kW @ air 25 °C/Coolant 45 °C CUP Heat Dissipation Enhanced by 300% Using Intel Targeted Flow Immersion Cooling Technology
Immersion Coolant	Castrol ON DC20
Manifold	SUS 304/Up to 8 Port (UNEEC)
Cold Plate	Al base + Al connector + Cu fin (JWS)
PUE	< 1.1
Monitoring Sensor	Thermocouple, Liquid Level & Flow Meter
Managing Monitoring	Temperature, Pump
Alarm	Temperature, Pump, Liquid Level
Ambient Air Temperature	-5 °C ~ 35 °C
Power Supply	220 V, 3Ø3 W, 50/60 Hz, 30 A



9 Coolant Distribution Manifold



10 Liquid Cooling Floating Module





Generated 790,000 kilowatts of solar energy and reduced greenhouse gas emissions by 4.52 million tons in 2024.

Purchased 24.23 million kilowatts of green electricity and reduced greenhouse gas emissions by 138.18 million tons in 2024. The annual green energy utilization rate is 73%.

The target of green energy utilization in 2025 is to exceed 90%.

Intelligent Manufacturing Industrial Evolution



Technology Application
Wisdom of Cloud



www.uneec.com

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UNEEC Website



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