

A faint, light gray world map is centered in the background of the slide.

LEAN *PAC*

MATIC s Innovator

L Business Solutions

Connector Solutions

Board to Board



Circular Solutions



High Speed Solutions



System Solutions

System & Mechanic



Power Supply Unit



Accessories

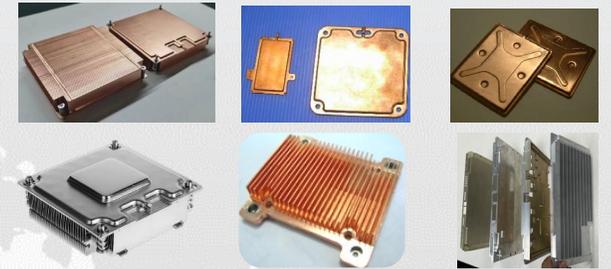


Cooling Solutions

Air Cooling



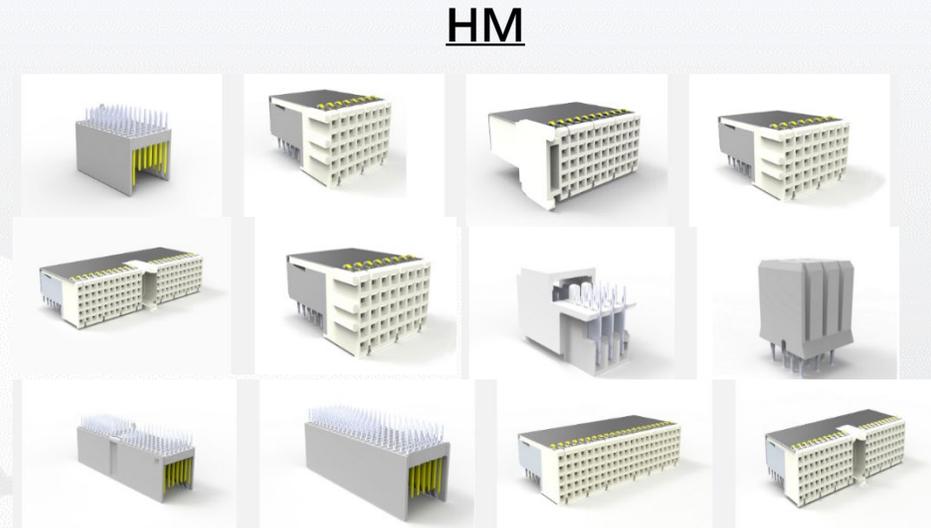
Conduct Cooling



Liquid Cooling

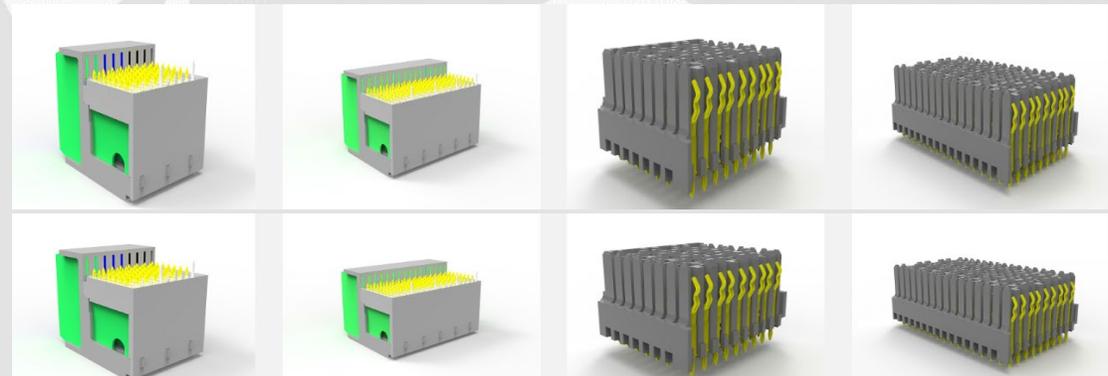


L Board to Board connectors

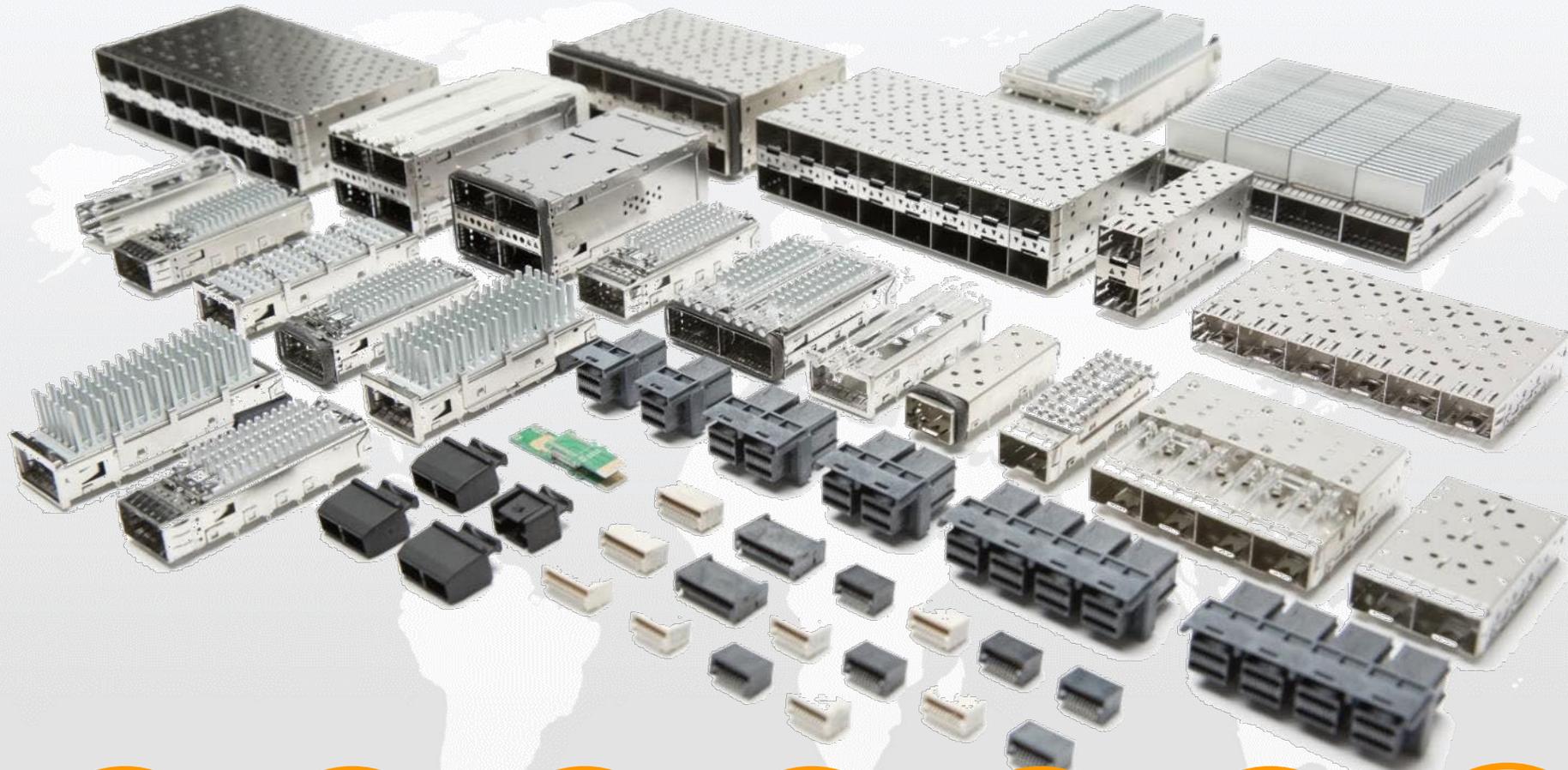


DIN

VPX



L High Speed Connector Series



SFP

1Gbps

SFP+

10Gbps

SFP28

28Gbps

XFP

10Gbps

QSFP+

40Gbps

QSFP28

100Gbps

**Mini SAS
HD**

48Gbps

QSFP-DD

400Gbps

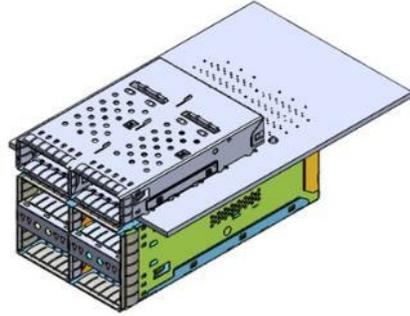
QSFP56

200Gbps

L Customized Designs for Connector Thermal



QSFP28 1x2 short cage for belly to belly with 2x2



QSFP28 custom heat sink



QSFP28 custom heat sink



SFP close top



SFP+ low-profile heat sink



QSFP+ custom heat sink



QSFP28 low-profile heat sink



Plating light pipe



Custom light pipe

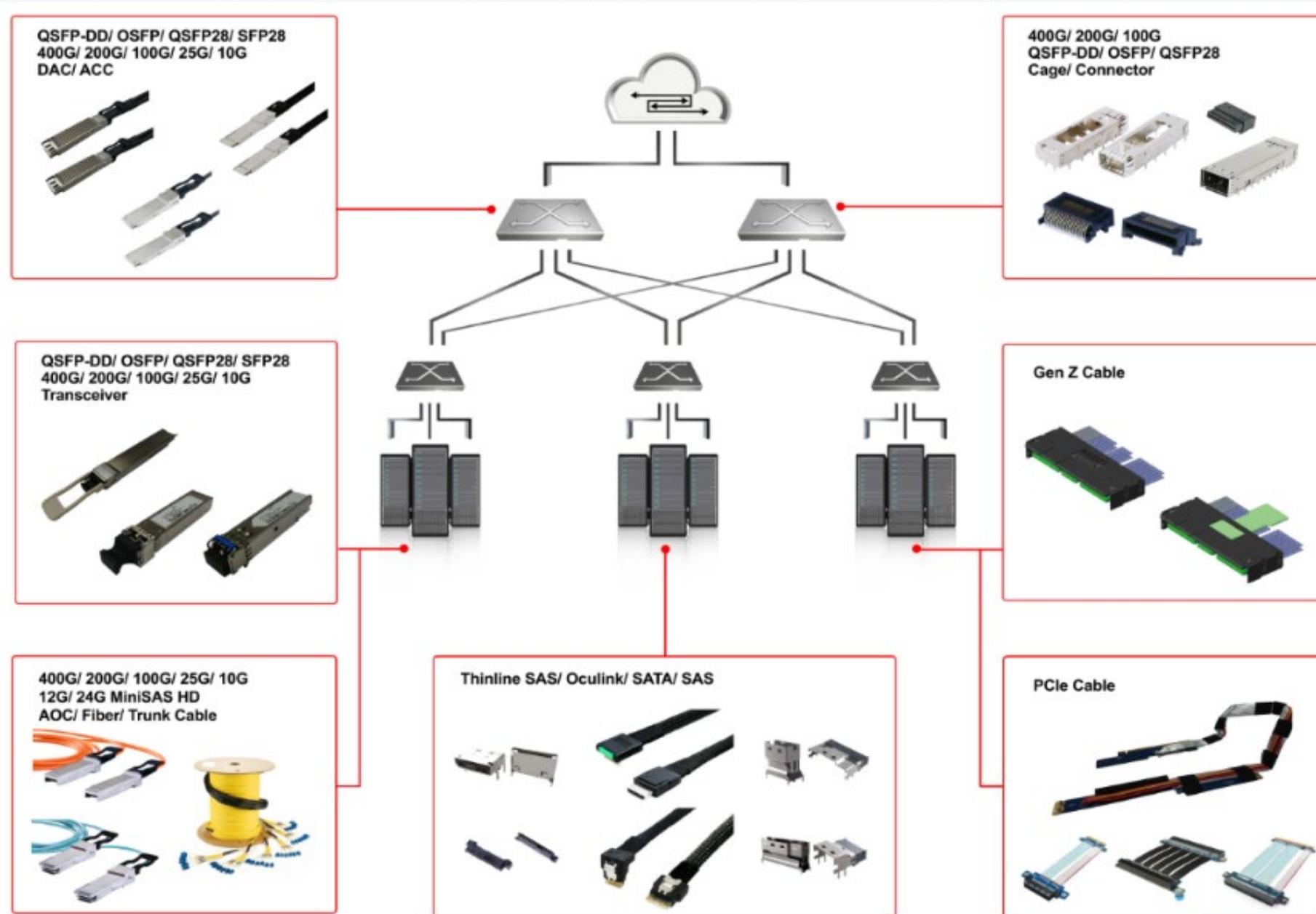


LED Cap



Custom light pipe

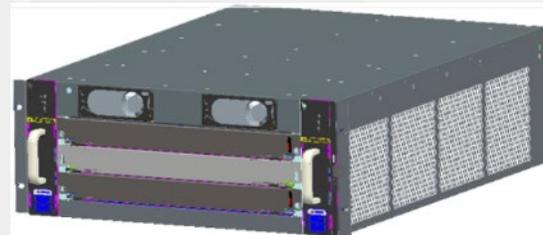
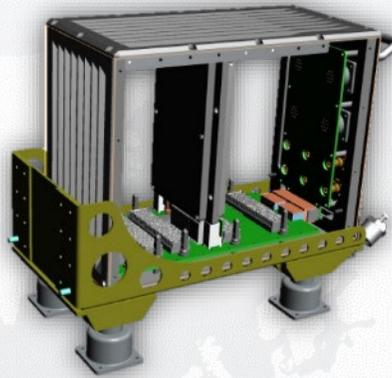
L Transceiver and Cable solutions



L Transportation



L MIL Application



L Power Supply Unit

- Standard & customized PSU
- Air cooling & Conduction cooling
- 3U, 6U or customized module PSU
- Pluggable hot swap or fixed PSU
- Different power output



- 3U x 8HP CompactPCI Serial
- Wide operating temperature -40°C to $+70^{\circ}\text{C}$
- IEC61000-3-2 harmonic correction
- N+1 redundancy, hot-swappable & active current sharing
- 80 plus gold efficiency
- PMBus communication
- Fully compliant with PICMG

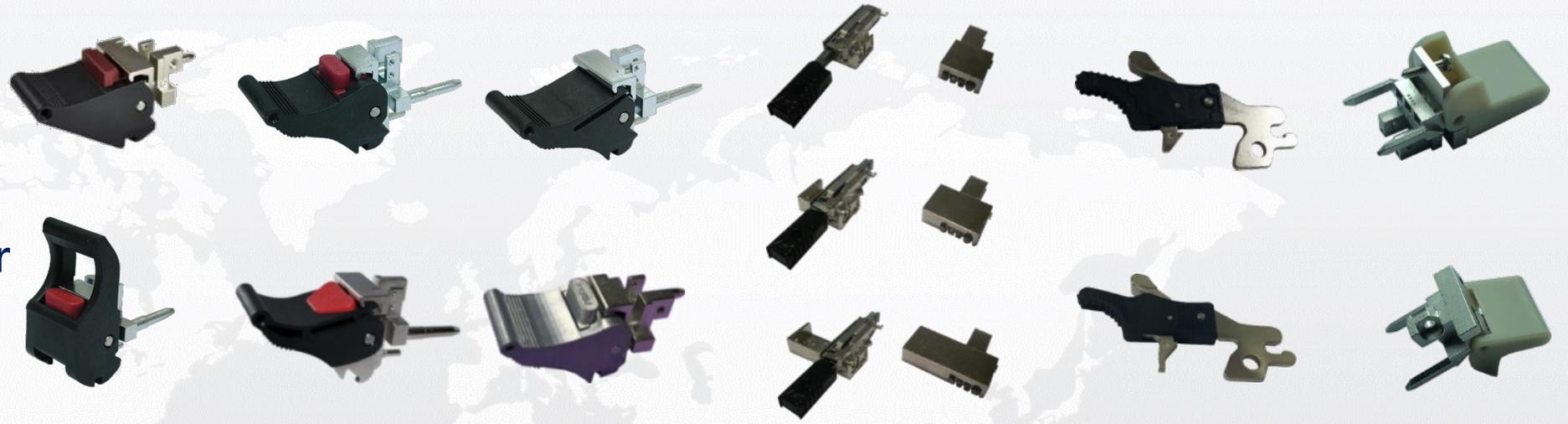


- Standard OpenVPX Output
- DC 18-36V Input Range
- Maximum Total Output Power: 580W
- Input EMI Filtering
- 40°C to 70°C Operating Temperature(at Card)
- Over current, over voltage and over temp protection
- Current Sharing on VS1, VS2 and VS3
- -40°C Operation Optional



L Mechanical Parts

- CPCI ejector
- AMC ejector
- ATCA ejector
- Custom ejector



- Filler board
- Card guide
- Guide pin
- Protection cover



L Air Cooling

DC Axial Fan



- SIZE: 25~172mm
- HEIGHT: 10~51mm
- Air Flow: 2 ~ 300CFM
- Speed: 3000 ~ 30000 RPM
- Voltage: 5, 12, 24, 48 VDC

DC Blower



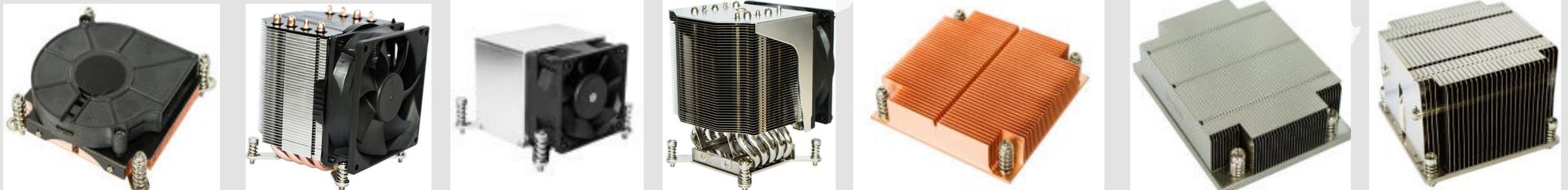
- SIZE: 30 ~ 120mm
- HEIGHT: 10 ~ 32mm
- Air Flow: 10 ~ 50CFM
- Speed: 1000 ~ 5000 RPM
- Voltage: 5, 12, 24, 48 VDC

AC Axial FAN



- SIZE: 80 ~ 120mm
- HEIGHT: 25 ~ 32mm
- Air Flow: 100 ~ 300CFM
- Speed: 1000 ~ 25000 RPM
- Voltage: 110 ~ 220 AC

CPU customized solution

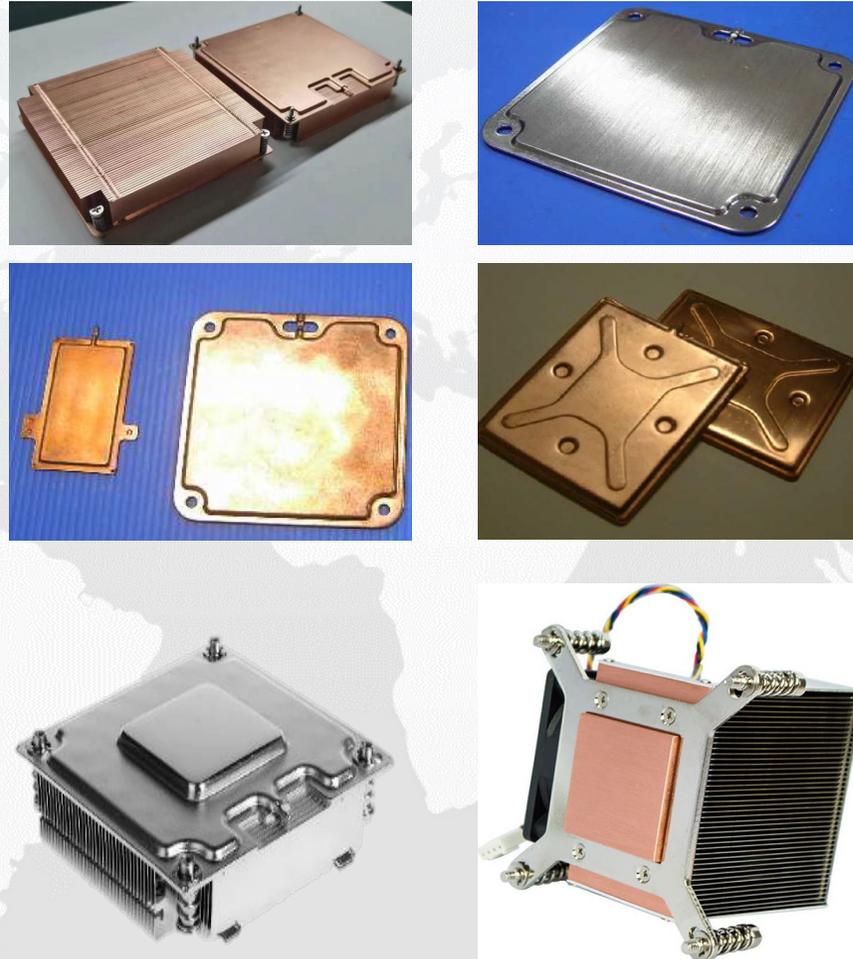


L Conduction Cooling

FIN



VC Chamber



Cooling plate



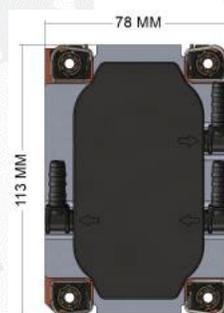
1U Active Cooling Head-Traditional



Model	1U-CA
Heatsink Material	Copper & Plastic
Bearing	Ceramic Bearing
Power Interface	2510 3 Pin
Pump Speed	3200 RPM ± 10% RPM
Power	
Pump Size	64*64*27 MM
CPU Socket	Intel LGA2011/1366/115X/775/1700 AMD FM2/FM1/AM3//AM2/AM4/AM5

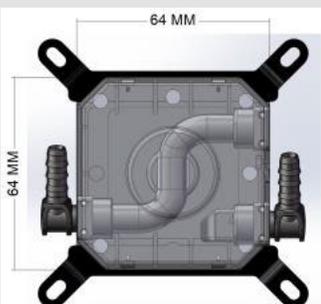


Model	1U-A-4189
Heatsink Material	Copper & Aluminum
轴承 Bearing	陶瓷轴承 Ceramic Bearing
电源接口 Power Interface	2510 3 Pin
水泵转速 Pump Speed	3200 RPM ± 10% RPM
水泵功率	5.8W
水泵通径	4.7mm
泵头尺寸 Pump Size	113 x 78 x 27 MM
CPU型号 CPU Socket	LGA4189



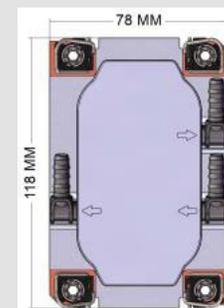
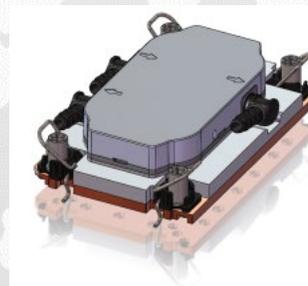
规格参数 Specification

Model	1U-CP
Heatsink Material	Copper & Plastic
Pump Size	64*64*27 MM
CPU Socket	Intel LGA2011/1366/115X/775/1700 AMD FM2/FM1/AM3//AM2/AM4/AM5



规格参数 Specification

Model	AS-1U-A-4677
Heatsink Material	Copper & Aluminum
Bearing	Ceramic Bearing
Power Interface	2510 3 Pin
Pump Speed	3200 RPM ± 10% RPM
Power	5.8W
Chanel	4.7mm
Pump Size	118 x 78 x 27 MM
CPU Socket	LGA4189



Server Radiator



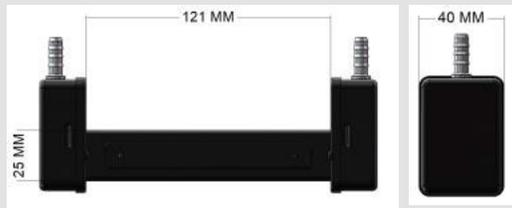
12027 Radiator Size	120x 158x 27mm
24027 Radiator Size	120x 278x 27mm
36027 Radiator Size	120x 398x 27mm
Mounting Hole Spec	6-32
Inner/ Outlet Spec	G1/4 or 7.53 Barb
Flow Diameter	4.7mm
Cooling Fan Spec	12025 Cooling fan
Material	Aluminium 3003
Surface	Black Painting



1U-5 Radiator Size	201x40x40mm
Mounting Hole Spec	4-40
Inner/ Outlet Spec	7.53 Barb
Flow Diameter	4.7mm
Cooling Fan Spec	4025 Cooling fan
Material	Aluminium 3003
Surface	Black Painting



1U-3 Radiator Size	121x 25x 40mm
Mounting Hole Spec	4-40
Inner/ Outlet Spec	7.53 Barb
Flow Diameter	4.7mm
Cooling Fan Spec	4025 Cooling fan
Material	Aluminium 3003
Surface	Black Painting



1U-6 Radiator Size	234.5x72x40mm
Mounting Hole Spec	4-40
Inner/ Outlet Spec	7.53 Barb
Flow Diameter	4.7mm
Cooling Fan Spec	4025 Cooling fan
Material	Aluminium 3003
Surface	Black Painting



THANKS

Leapac Electronics GmbH



Zhao.zhang@leanpac.com



Caroline-Herschel-Str. 34,
D-85521 Ottobrunn, Germany



+49 162 9887843