

MiniRack DLC

12 OpenU Liquid Cooled half rack form factor

Key features

- OpenU rack
- Liquid Cooling
- Compact
- Mobility

Overview

FRONT VIEW



Up to 2 rack stacked for up to 20 servers

12 OpenU

1OU: 12kW (3kW x4)

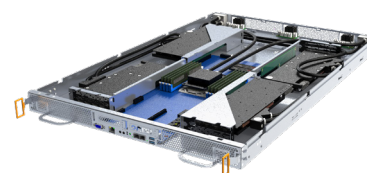
REAR VIEW



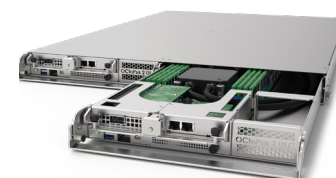
80% Liquid Cooled, 20% Air Cooled

Up to 3 busbars 12V-300A

COMPATIBLE WITH 2CRSi OCtoPus series



OCtoPus 1.4



OCtoPus 2

Specifications

Model	MiniRack DLC
Form factor	OCP OU 21" servers
Number of OpenU	12 OU
Number of nodes	Up to 20 nodes (2 nodes per shelf / switch)
Dimension	800 x 600 x 1170 mm / 31.5" x 23.6" x 46.1" (H x W x D)
Weight	390kg with DLC modules and fans
Dynamic load	25kg per OU
Power Shelf	1OU: 12kW (3kW x4)
Power	Up to 9kW with 1 powershelf N+1 redundancy (12kW without redundancy)
Busbars	Up to 3 busbars 12V-300A per shelf
Electrical Input	Single-phase, Line/Neutral/Ground
Electrical Output	12V DC
Cooling	80% Liquid Cooled, 20% AIR Cooled (typical) (6 fans) monitored and manageable via web interface
Options	Additional doors

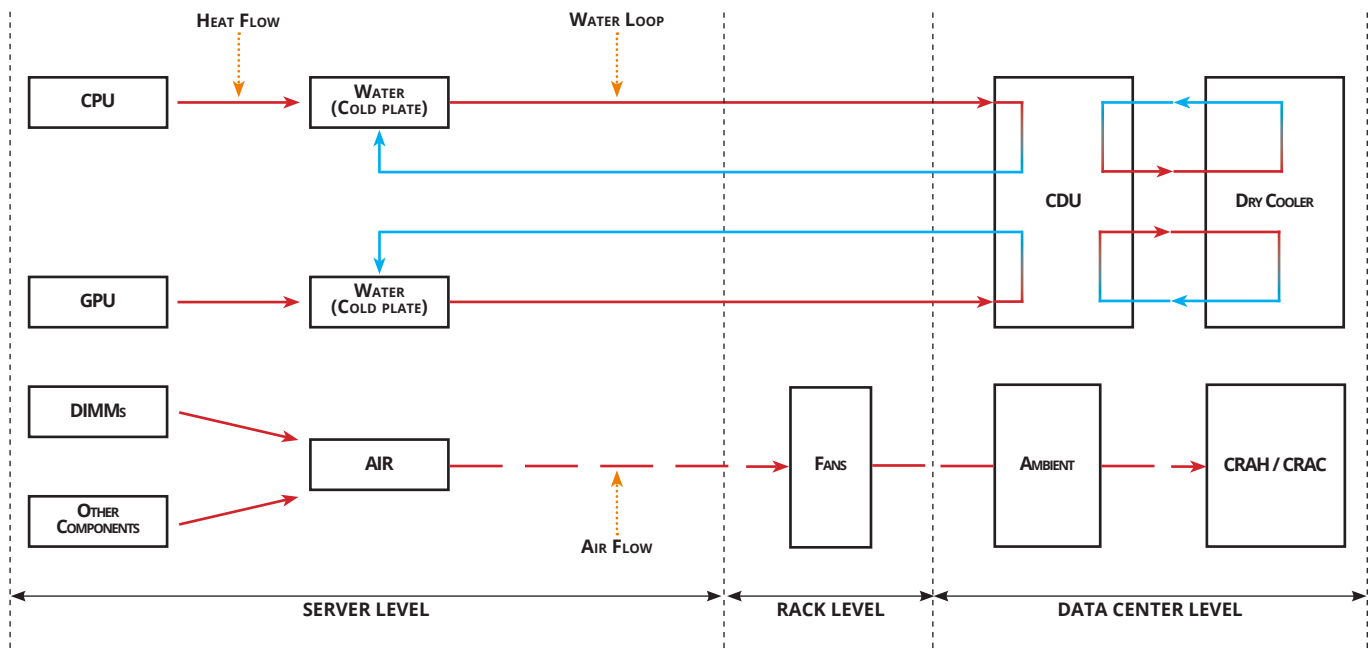
Cooling Informations

Flow rate per server (typical)	1.5 L/min
Nominal water temperature	35°C (at bay inlet)
Cooling Liquid	Deionized water + corrosion inhibitor + biocide / Glycol based fluid
Typical operating pressure	3 bars (rack entry)
Maximum operating pressure	4 bars (rack entry)

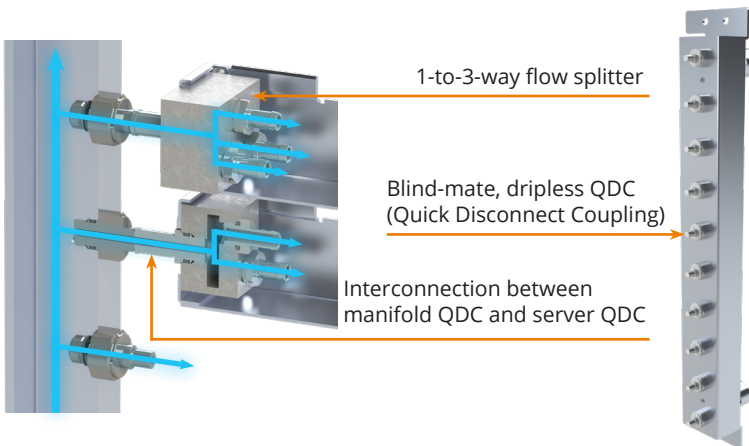
Rack-level flow rate	15 L/min
Maximum coolant temperature (Rack input)	45°C
Minimum coolant temperature (Rack input)	2°C
Maximum power per OpenU	1500W
PUE RACK + CRAH + CDU + FWS (typical)	1.06
Operating air temperature	10°C to 35°C
Storage temperature	-40°C to +65°C without coolant

Liquid Cooling technology

DIAGRAM OF HEAT, WATER AND AIR FLOWS



MANIFOLD VIEW



INTERNAL RACK VIEW

