

# GRAND-AL

Intel® Celeron® J3455 4-core 1.5GHz (burst up to 2.3GHz)

## Features

- » Intel® Celeron® J3455 quad-core 1.5GHz CPU with AES-NI Encryption
- » 2 x SODIMM Slots, Install up to 8GB memory with 2 x 4GB DIMMs
- » 1 x PCIe x2 slot can support 10GbE network card
- » Storage expandable via USB3.0, up to 200TB



## Specifications

Form Factor	
Form Factor	2U 1U, Rackmount
System	
CPU	Intel® Celeron® J3455 4-core 1.5GHz (burst up to 2.3GHz)
Memory	Slot: SODIMM x 2
Memory Max.	8GB
Cooling method / System Fan	12B : DC 2 x 70mm, 12V
	08B : DC 2 x 70mm, 12V
	04A : DC 2 x 40mm, 12V
Physical Characteristics	
Rack Height	2U 12bay, 8bay
	1U 4bay
Dimensions (LxWxH) (mm)	12B : 89(H) x 482(W) x 534(D) mm
	08B : 89(H) x 482(W) x 534(D) mm
	04A : 44(H) x 439(W) x 499(D) mm
Net Weight	12B : 16.14kg
	08B : 11.02kg
	04A : 7.63kg
Storage	
Storage	3.5" HDD Bay(SATA 6Gb/s, 3Gb/s HDD or SSD; Hot-swappable)
	12B: 12 Bay
	08B: 8 Bay
	04A: 4 Bay)
	1 x eMMC
I/O Interface	
Display Output	1 x HDMI™(1.4b)
Ethernet	4 x LAN(Gbe)
I/O Interface	4 x External USB 3.0(Rear)
Expansion	1 x PCIe x 4

Power	
Power Consumption	12B : In operation: 83.52W
	08B : In operation: 82.31W
	04A : In operation: 39.86W
Power Supply	12B : 350W, 100-240V, 250W (x2), 100-240V (redundant)
	08B : 250W, 100-240V, 250W (x2), 100-240V (redundant)
	04A : 250W, 100-240V, 250W (x2), 100-240V (redundant)
Environment	
Operating Temperature	0~40 °C
Humidity	5 to 95% non-condensing, wet bulb : 27 °C.

## Ordering Information

GRAND-AL-04A-R10	1U 4Bay front 3.5" HDD or SSD support, rackmount storage server system (Barebone) with Intel® Celeron® J3455, 250W single PSU, RoHS
GRAND-AL-04A-RP-R10	1U 4Bay front 3.5" HDD or SSD support, rackmount storage server system (Barebone) with Intel® Celeron® J3455, 250W redundant PSU, RoHS
GRAND-AL-08B-R10	2U 8Bay front 3.5" HDD or SSD support, rackmount storage server system (Barebone) with Intel® Celeron® J3455, 250W single PSU, RoHS
GRAND-AL-08B-RP-R10	2U 8Bay front 3.5" HDD or SSD support, rackmount storage server system (Barebone) with Intel® Celeron® J3455, 250W redundant PSU, RoHS
GRAND-AL-12B-R10	2U 12Bay front 3.5" HDD or SSD support, rackmount storage server system (Barebone) with Intel® Celeron® J3455, 350W single PSU, RoHS
GRAND-AL-12B-RP-R10	2U 12Bay front 3.5" HDD or SSD support, rackmount storage server system (Barebone) with Intel® Celeron® J3455, 250W redundant PSU, RoHS

## Packing List

Ethernet Cable x 2	Power cord x 2
Flat head screw (for 2.5" HDD)	Flat head screw (for 3.5" HDD)