ALRC 4H 19-FL
Fanless Rackmount System

The perfect fit for challenging environments

ALRC 4H 19-FL systems are designed to be used in industrial and power station applications which requires robust, reliable and sustainable systems. The solid steel housing meets mechanical stress-, temperature -, EMC and EMI requirements.

The modular design concept of the 19" ALRC 19 FL allows a great variety of customized versions to be built. Changes in the mechanical structure and various hardware options are available even in small quantities to meet the customers requirements. Efficient thermal concepts, maintenance free, high performance computing and graphics power are the perfect fit for long term operation.

- **Silent PC for noise sensitive environments**

- **Robust, reliable, sustainable**

- **19" 4U rack mount chassis**

- **Modular and flexible concept allows easy cutomization**

- **High Processing cabability**

- **Various Storage cababilities**

- **Power supply 110~230V AC or DC,**

- **optional 12V/24V/48V DC**

- **Operating temperature −10°C to +60°C**

- **Long time availabilty > 5 years**

- **Maintenance-free**

- **Country of origin Germany**

A Baytek Company

ALR Rugged Solutions GmbH

Feldwiesenstr. 8

D -79807 Lottstetten

Phone: [+49] 7745 / 92588-0

inquiry@alr-rugged.com

www.alr-rugged.com

ALRC 4H 19-FL
Fanless Rackmount System

Dimensions/Weight	
Dimensions in mm	W: 482, D: 479, H: 177
Weight	15-24kg depending on the configuration

Hardware Configuration	
CPU Type	Intel Core i3, i5,i7 or i9, XEON
RAM*	32/64 GB DDR4@2400 MHz
Storage*	4x hot swappable HDD or SSD tray for 3.5" or 2,5"
	HDD > 1TB
	SSD >240GB
	(SLC Disks on request)
Extension slots*	2x PCIe x16 (or 2 times x8)
	1x PCIe x8, 2x PCIe x4
	2 x PCI
I/Os*	2x Gbit-LAN RJ45, up to 6x USB3.0, up to 6 x USB2.0,
	VGA and two DVI-D, up to 6 COM Ports
	1x mic-in and 1x speaker-out

Power Supply	
Power Supply	500W AC or DC
	Redundant 420W AC or DC (optional)
	12/24/48V DC (optional)

Options/Accessoires	
	Mechanical adaptions and additional I/O's on request

Operating System	
Operating System	Microsoft Windows 10/11
	Linux, Windows Server on request

Environment	Built to be compliant to:
Temperature	
Operating	-10°C to +60°C
Storage	-40°C to +85°C
Humidity	10% to 90% relative humidity, non-condensing
Altitude	5000m operating
Vibrations	5Grms, 5-500Hz, 3 axes
	(w/ SSD, acc. to IEC60068-2-64)
	50Grms, half-sine; 11ms duration
Shock	(w/ SSD, acc. to IEC60068-2-27)
EMC	CE/FCC Class A, acc. to EN 55022/55024
Regulations	CE, RoHS
	*Values can vary depending on the type of Mainboard/other system configuration on request