

4 x 1 Gbps Ethernet, 1 x 5 Gbps USB 3.0, 1 x 6 Gbps eSATA RAIDdeluxe-BS series with single controller and 6 Gbps SATA backplane



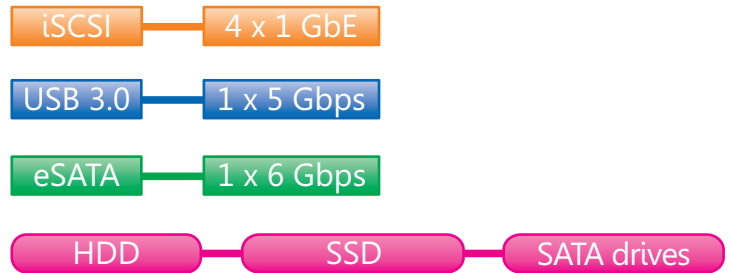
All systems of the BS series are equipped with single RAID controllers from Areca. For the RAID systems 3.5-LFF as well as 2.5-SFF hard disks are suitable. Thus, cost-effective SATA HDDs can be installed. Even fast SSDs are compatible with the systems.

The RAID systems can be connected via USB 3.0 or eSATA. In the network the storage system operates with four Ethernet ports, each of them provides 1 Gbps according to iSCSI standard. The processor is an efficient ARM V7 with 1.2 GHz.

All devices of the BS series are energy-efficient and OS-independent. They get installed and managed by the proven and user-friendly web interface via LAN or serial console. Link aggregation combines Quad Gigabit Ethernet connections to increase data transfer past a single connection and provides redundancy in the event of a failed connection.

With the fold-out LCD display, status messages and important adjustments can be read or made.

The systems are perfect for data intensive applications with simultaneously high reliability. The power supplies are redundant. To prevent data loss, the spare power supply takes over in case of failure. This also applies for the optional available "Battery Backup Unit". It buffers the up to two gigabytes cache memory of the RAID controller over a longer period. This allows a backup of the containing data fragments.



Features:

- Areca single RAID controller
- RAID level: 0, 1, 10(1E), 3, 5, 6, 30, 50, 60, Single Disk or JBOD
- Host ports:
 - 4 x 1 Gbps Ethernet (128 volumes)
 - 1 x 5 Gbps USB 3.0 (8 volumes)
 - 1 x 6 Gbps eSATA (8 volumes with port multiplier)
- 6 Gbps and 3 Gbps SATA HDDs / SSDs
- Supports:
 - 4K and 512 byte sectors in SATA drives
 - HDD firmware updates
- Automatic drive failover and rebuild
- SSD / HDD Disk Clone function
- Battery backup module optional available
- Controllable via RS-232 port
- Built-in browser-based RAID manager over 10/100 LAN port
- Access to the terminal by Telnet via LAN port
- LCD-display with buttons for setup, alarm shutdown and configuration
- Display of system status via LCD, LED and alarm buzzer
- SMTP for e-mail notification, SNMP support
- LAN with MPIO, MC/S, Trunking and LACP support
- With LACP enabled, performance:
 - 415 MB/sec Reading
 - 324 MB/sec Writing





Models	RDL-BS08G4-R2	RDL-BS12G4-R2	RDL-BS16G4-R3	RDL-BS24G4-R4
I/O interface				
Host interface	4 x 1 GbE iSCSI 1 x 6 Gbps eSATA 1 x 5 Gbps USB 3.0			
HDD / SSD	8 x 3.5 LFF / 2.5 SFF	12 x 3.5 LFF / 2.5 SFF	16 x 3.5 LFF / 2.5 SFF	24 x 3.5 LFF / 2.5 SFF
Disk interface	6 Gbps and 3 Gbps SATA			
Single RAID controller				
Processor	Quad Core ARM V7 1.2 GHz			
Cache memory	2 GB			
RAID features	<ul style="list-style-type: none"> • RAID level 0, 1, 10 (1E), 3, 5, 6, 30, 50, 60, Single Disk or JBOD • Automatic drive failover and rebuild • Supports several RAID 0 and RAID 10 (1E) (RAID 00 and RAID 100) • Clone function of several HDD/SSD drives • Automatic SSD Monitor Clone support • Multiple RAID selection • Configurable Stripe Size, up to 1024 KB • eSATA host: 8 volumes (with Port Multiplier), iSCSI host: 128 volumes and USB 3.0 host: 8 volumes • Supports 4K and 512 byte sector SATA drives • Supports HDD firmware update 			
Management				
RAID management	<ul style="list-style-type: none"> • Field-upgradeable firmware in flash ROM • Firmware-embedded manager via RS-232 port • Support of Telnet via a LAN port 	<ul style="list-style-type: none"> • Embedded web-browser via built-in 10/100 Lan port • SAP monitor utility for easy management • API library for customer to write its own monitor utility 		
Monitors / Notification	<ul style="list-style-type: none"> • SMTP support for email notification • SNMP support for remote manager 	<ul style="list-style-type: none"> • LCD control panel for setup, alarm mute and configuration • System status indication through LCD, LED and alarm buzzer • Enclosure management 		
Technical specifications				
Power supply	Hot swap, redundant with PFC, N+1 design			Hot swap, triple with PFC
Power requirements	100/240 V, 47 ~ 63 Hz			
Cooling	two fans			four fans
Operating temperature	0 °C ~ 40 °C			
Relative humidity	10 % ~ 80 % (non-condensing)			
Dimensions (WxHxL)/mm	482 x 88.2 x 484, 2 U RM	482 x 88.2 x 484, 2 U RM	482 x 132.6 x 484, 3 U RM	482 x 176.4 x 484, 4 U RM
Weight (without disks)	26 kg	27 kg	31 kg	34 kg

