

Performance

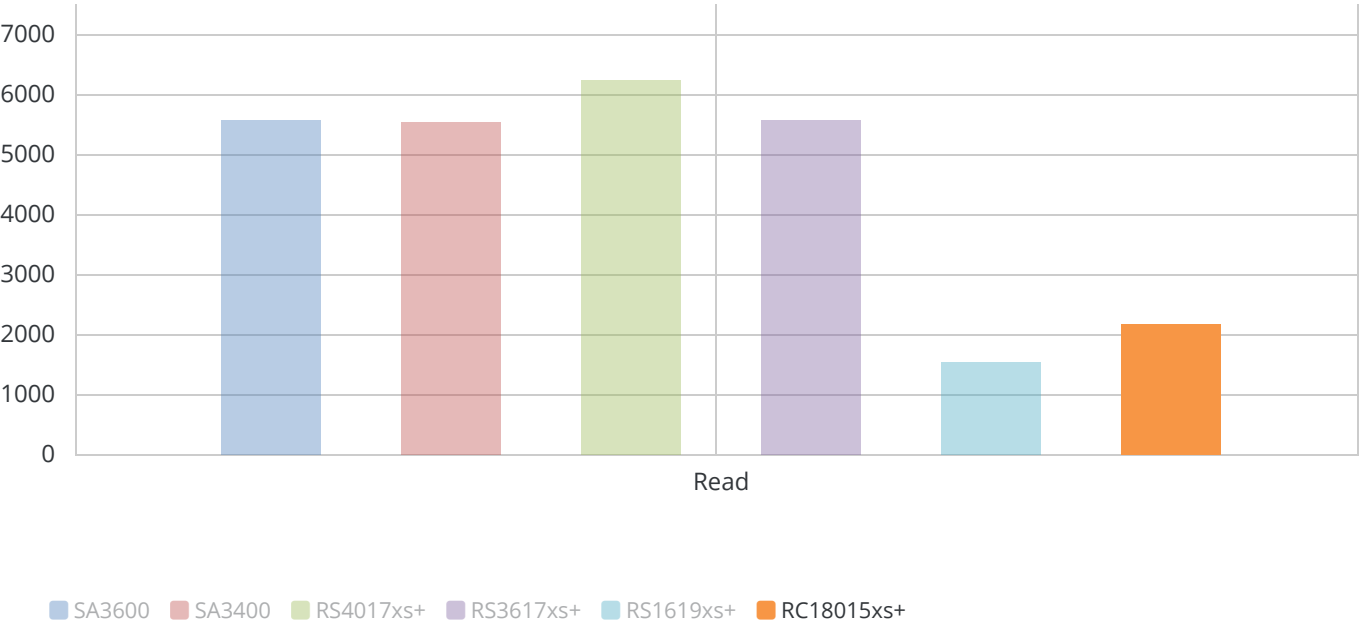
Synology strives to enhance the performance of our NAS with every software update, even long after a product is launched. For enterprises and users that demand uncompromising performance from their servers, check the figures below to find the most suitable choice.

- FS series UC series SA/XS+ series XS series 12-bay to 16-bay NAS
- 5-bay to 8-bay NAS 4-bay NAS 1-bay to 2-bay NAS SSD Cache

Aggregated 10GbE SMB - Sequential Throughput (64KB)

Model	SA3600	SA3400	RS4017xs+	RS3617xs+	RS1619xs+ *	RC18015xs+
Read	5561.33	5520.05	6221.77	5570.15	1523.02	2153.92
Write	2920.40	2731.02	2668.49	1989.90	959.47	1767.63

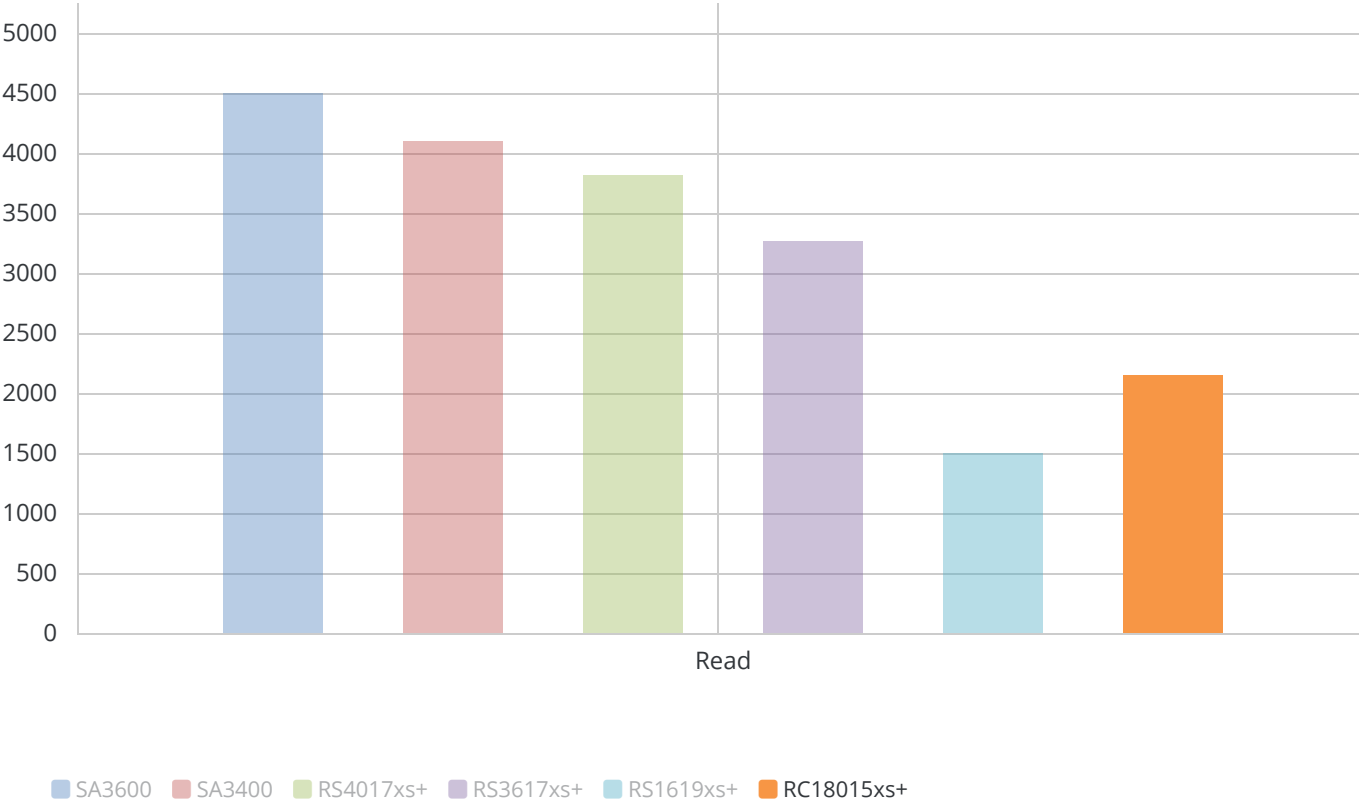
(Unit: MB/s)



Aggregated 10GbE SMB - Sequential Throughput via Encrypted Shared Folder (64KB)

Read	4497.90	4093.15	3810.52	3265.25	1504.55	2153.23
Write	1849.75	1734.42	2078.92	1625.28	802.88	1276.79

(Unit: MB/s)



Aggregated 10GbE SMB - Random IOPS (4KB)

Model	SA3600	SA3400	RS4017xs+	RS3617xs+	RS1619xs+ *	RC18015xs+
Read	346771.19	259672.27	240079.82	191126.08	136558.44	137793.06
Write	181588.38	159267.49	125766.75	110618.40	48690.80	81134.57



SA3600 SA3400 RS4017xs+ RS3617xs+ RS1619xs+ RC18015xs+

10GbE iSCSI - Random IOPS (4KB)

Model	SA3600	SA3400	RS4017xs+	RS3617xs+	RS1619xs+ *	RC18015xs+
Read	381480.10	304277.60	236489.01	188069.07	162097.52	144529.46
Write	176608.25	150500.04	119913.74	110196.32	49737.89	83606.14



SA3600 SA3400 RS4017xs+ RS3617xs+ RS1619xs+ RC18015xs+

1GbE Web Server - PHP Response Efficiency

Model	SA3600	SA3400	RS4017xs+	RS3617xs+	RS1619xs+ *	RC18015xs+
Responses per second	158635.05	116744.60	111678.31	90742.07	64031.86	67938.36