



# ExpressSAS 3Gb SAS/SATA Host & RAID Adapters Selection Guide

Product Features	ExpressSAS 3Gb SAS/SATA Host Adapters			ExpressSAS 3Gb SAS/SATA RAID Adapters		
	H30F	H380	H308	R30F	R380	R348
SAS/SATA Ports	16	8	8	16	8	8
Port Configuration (External / Internal)	0/16	8/0	0/8	0/16	8/0	User Selectable (4/4 or 0/8)
Maximum Data Rate	3Gb	3Gb	3Gb	3Gb	3Gb	3Gb
Maximum Transfer Rate (Full Duplex)	4.8 GB/s	4.8 GB/s	4.8 GB/s	4.8 GB/s	4.8 GB/s	4.8 GB/s
Maximum Transfer Rate (Half Duplex)	2.4 GB/s	2.4 GB/s	2.4 GB/s	2.4 GB/s	2.4 GB/s	2.4 GB/s
Bus Type	PCIe	PCIe	PCIe	PCIe	PCIe	PCIe
Bus Characteristics	x8	x8	x8	x8	x8	x8
Auto Negotiation	SAS, SATA II, SATA	SAS, SATA II, SATA	SAS, SATA II, SATA	SAS, SATA II, SATA	SAS, SATA II, SATA	SAS, SATA II, SATA
Connector Type	4 Mini SAS (x4) SFF 8087 Internal	2 Mini SAS (x4) SFF 8088 External	2 Mini SAS (x4) SFF 8087 Internal	4 Mini SAS (x4) SFF 8087 Internal	2 Mini SAS (x4) SFF 8088 External	1 Mini SAS (x4) SFF 8088 External, 2 Mini SAS (x4) SFF 8087 Internal
Maximum Cable Length (SAS/SATA)	8m/1.5m	8m/1.5m	8m/1.5m	8m/1.5m	8m/1.5m	8m/1.5m
Low-Profile Form Factor	✓	✓	✓	✓	✓	✓
RAID Levels				0, 1, 4, 5, 6, 10, 40, 50, 60, JBOD and DVRAID™	0, 1, 4, 5, 6, 10, 40, 50, 60, JBOD and DVRAID™	0, 1, 4, 5, 6, 10, 40, 50, 60, JBOD and DVRAID™
RAID Management Utility				✓	✓	✓
Global Hot Spares				✓	✓	✓
Event Notification				Email, Pop-Up, Log File	Email, Pop-Up, Log File	Email, Pop-Up, Log File
Memory (ECC)				256 MB	256 MB	512 MB
Advanced Data Streaming (ADS™)	✓	✓	✓	✓	✓	✓
Devices Supported	256	256	256	128	128	128
Windows®	✓	✓	✓	✓	✓	✓
Linux (Red Hat, SUSE)	✓	✓	✓	✓	✓	✓
Mac® OS X	✓	✓	✓	✓	✓	✓
RoHS Compliant	✓	✓	✓	✓	✓	✓