

Adaptec PCIe Gen3 6Gb/s SAS and SATA HBA Family (71605H, 70165H, 7805H, 7085H)

Adaptec Series 7H Family							
Why to buy?	Highest performing I/O solution supporting SAS and SATA HDDs, SSDs, removable media, SAS tape drives.						
Customer Needs	I/O connectivity offers the highest bandwidth, lowest latency and highest I/O performance paired with broad compatibility, support for SAS expanders, and enclosure management; flexibility to install SAS and SATA drives.						
Features	<ul style="list-style-type: none"> – Sixteen (71605H, 70165H) or eight (7085H, 7805H) 6Gb/s ports – PMC PM8018 SAS protocol controller supports SAS and SATA HDDs, SSDs, and SAS tape drives – Up to 800,000 IOPS at 4KB block size, up to 1 million IOPS at 512Byte block size – Up to 6600 MB/s sequential throughput (64KB blocks) – Support for SAS expanders – Enclosure management support via LED header and SES2/SGPIO – PCIe Gen 3 x8 host interface – Low-profile MD2 form factor 						
Management Utilities	<table border="0"> <tr> <td>Adaptec BIOS Configuration Utility (ACU)</td> <td>Adaptec uEFI BIOS Configuration Utility</td> </tr> <tr> <td>– Legacy configuration utility</td> <td>– HII based configuration utility</td> </tr> <tr> <td>– Flashable BIOS support</td> <td>– Flashable BIOS support</td> </tr> </table>	Adaptec BIOS Configuration Utility (ACU)	Adaptec uEFI BIOS Configuration Utility	– Legacy configuration utility	– HII based configuration utility	– Flashable BIOS support	– Flashable BIOS support
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Operating Systems	Windows 8, Windows 7, Windows Server 2012, Windows 2008R2, SBS 2011, Storage Server, Red Hat Enterprise Linux, VMware, SUSE Linux Enterprise Server, Ubuntu Linux, Debian Linux, and FreeBSD. The latest drivers are available at www.adaptec.com/support .						
Physical Dimensions	2.535"H x 6.6"L (64mm x 167mm)						
Operating Temperature	0°C to 55°C with 200 LFM airflow						
Operating Current	0.17A@3.3V and 1.25A@12V						
Regulatory Certification	FCC, C-tick, CE, VCCI, CNS, KCC, UL, BSMI						
MTBF	1,000,000 hours at 40°C						
Warranty	3 years						
Accessories	Serial Attached SCSI (SAS) cables (www.adaptec.com/cables)						

Adaptec by PMC HBA	ASA-71605H	ASA-70165H	ASA-7805H	ASA-7085H
Order Part Number	2278300-R	2278500-R	2280800-R	2278400-R
Form Factor	MD2-Low Profile 2.535"H x 6.6"L	MD2-Low Profile 2.535"H x 6.6"L	MD2-Low Profile 2.535"H x 6.6"L	MD2-Low Profile 2.535"H x 6.6"L
Ports	16 Internal	16 External	8 Internal	8 External
Connectors	4 SFF-8643	4 SFF-8644	2 SFF-8643	2 SFF-8644
Host Bus Interface	8-Lane PCIe Gen3	8-Lane PCIe Gen3	8-Lane PCIe Gen3	8-Lane PCIe Gen3
Processor	PMC PM8018	PMC PM8018	PMC PM8018	PMC PM8018



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