



SYSTEM DEVICES

PCI Devices and IOMMU Groups

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IOMMU group 0: [1022:1452] 00:01.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-1fh) PCIe Dummy Host Bridge

IOMMU group 1: [1022:1453] 00:01.1 PCI bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) PCIe GPP Bridge

IOMMU group 2: [1022:1453] 00:01.2 PCI bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) PCIe GPP Bridge

IOMMU group 3: [1022:1452] 00:02.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-1fh) PCIe Dummy Host Bridge

IOMMU group 4: [1022:1452] 00:03.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-1fh) PCIe Dummy Host Bridge

IOMMU group 5: [1022:1453] 00:03.1 PCI bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) PCIe GPP Bridge

IOMMU group 6: [1022:1452] 00:04.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-1fh) PCIe Dummy Host Bridge

IOMMU group 7: [1022:1452] 00:07.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-1fh) PCIe Dummy Host Bridge

IOMMU group 8: [1022:1454] 00:07.1 PCI bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Internal PCIe GPP Bridge 0 to Bus B

IOMMU group 9: [1022:1452] 00:08.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-1fh) PCIe Dummy Host Bridge

IOMMU group 10:[1022:1454] 00:08.1 PCI bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Internal PCIe GPP Bridge 0 to Bus B

IOMMU group 11:[1022:790b] 00:14.0 SMBus: Advanced Micro Devices, Inc. [AMD] FCH SMBus Controller (rev 59)

                    [1022:790e] 00:14.3 ISA bridge: Advanced Micro Devices, Inc. [AMD] FCH LPC Bridge (rev 51)

IOMMU group 12:[1022:1460] 00:18.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Data Fabric: Device 18h; Function 0
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UNRAID

Version: 6.8.1



Server	Server • 10.188.233.130
Description	Unraid Workstation
Registration	Unraid OS <i>Pro</i>
Uptime	12 hours, 5 minutes

[1022:1464] 00:18.4 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Data Fabric: Device 18h; Function 4

[1022:1465] 00:18.5 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Data Fabric: Device 18h; Function 5

[1022:1466] 00:18.6 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Data Fabric: Device 18h; Function 6

[1022:1467] 00:18.7 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Data Fabric: Device 18h; Function 7

IOMMU group 13:[1022:1460] 00:19.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Data Fabric: Device 18h; Function 0

[1022:1461] 00:19.1 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Data Fabric: Device 18h; Function 1

[1022:1462] 00:19.2 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Data Fabric: Device 18h; Function 2

[1022:1463] 00:19.3 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Data Fabric: Device 18h; Function 3

[1022:1464] 00:19.4 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Data Fabric: Device 18h; Function 4

[1022:1465] 00:19.5 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Data Fabric: Device 18h; Function 5

[1022:1466] 00:19.6 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Data Fabric: Device 18h; Function 6

[1022:1467] 00:19.7 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Data Fabric: Device 18h; Function 7

IOMMU group 14:[1022:43ba] 01:00.0 USB controller: Advanced Micro Devices, Inc. [AMD] X399 Series Chipset USB 3.1 xHCI Controller (rev 02)

[1022:43b6] 01:00.1 SATA controller: Advanced Micro Devices, Inc. [AMD] X399 Series Chipset SATA Controller (rev 02)

[1022:43b1] 01:00.2 PCI bridge: Advanced Micro Devices, Inc. [AMD] X399 Series Chipset PCIe Bridge (rev 02)

[1022:43b4] 02:00.0 PCI bridge: Advanced Micro Devices, Inc. [AMD] 300 Series Chipset PCIe Port (rev 02)

[1022:43b4] 02:01.0 PCI bridge: Advanced Micro Devices, Inc. [AMD] 300 Series Chipset PCIe Port (rev 02)

[1022:43b4] 02:02.0 PCI bridge: Advanced Micro Devices, Inc. [AMD] 300 Series Chipset PCIe Port (rev 02)

[1022:43b4] 02:03.0 PCI bridge: Advanced Micro Devices, Inc. [AMD] 300 Series Chipset PCIe Port (rev 02)

[1022:43b4] 02:04.0 PCI bridge: Advanced Micro Devices, Inc. [AMD] 300 Series Chipset PCIe Port (rev 02)





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[1b21:2142] 08:00.0 USB controller: ASMedia Technology Inc. ASM2142 USB 3.1 Host Controller

IOMMU group 15:[144d:a808] 09:00.0 Non-Volatile memory controller: Samsung Electronics Co Ltd NVMe SSD Controller SM981/PM981/PM983

IOMMU group 16:[1002:1478] 0a:00.0 PCI bridge: Advanced Micro Devices, Inc. [AMD/ATI] Navi 10 XL Upstream Port of PCI Express Switch (rev c1)

IOMMU group 17:[1002:1479] 0b:00.0 PCI bridge: Advanced Micro Devices, Inc. [AMD/ATI] Navi 10 XL Downstream Port of PCI Express Switch

IOMMU group 18:[1002:731f] 0c:00.0 VGA compatible controller: Advanced Micro Devices, Inc. [AMD/ATI] Navi 10 [Radeon RX 5600 OEM/5600 XT / 5700/5700 XT] (r

IOMMU group 19:[1002:ab38] 0c:00.1 Audio device: Advanced Micro Devices, Inc. [AMD/ATI] Navi 10 HDMI Audio

IOMMU group 20:[1022:145a] 0d:00.0 Non-Essential Instrumentation [1300]: Advanced Micro Devices, Inc. [AMD] Zeppelin/Raven/Raven2 PCIe Dummy Function

IOMMU group 21:[1022:1456] 0d:00.2 Encryption controller: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Platform Security Processor

IOMMU group 22:[1022:145c] 0d:00.3 USB controller: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) USB 3.0 Host Controller

IOMMU group 23:[1022:1455] 0e:00.0 Non-Essential Instrumentation [1300]: Advanced Micro Devices, Inc. [AMD] Zeppelin/Renoir PCIe Dummy Function

IOMMU group 24:[1022:7901] 0e:00.2 SATA controller: Advanced Micro Devices, Inc. [AMD] FCH SATA Controller [AHCI mode] (rev 51)

IOMMU group 25:[1022:1457] 0e:00.3 Audio device: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) HD Audio Controller

IOMMU group 26:[1022:1452] 40:01.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-1fh) PCIe Dummy Host Bridge

IOMMU group 27:[1022:1453] 40:01.1 PCI bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) PCIe GPP Bridge

IOMMU group 28:[1022:1453] 40:01.3 PCI bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) PCIe GPP Bridge

IOMMU group 29:[1022:1452] 40:02.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-1fh) PCIe Dummy Host Bridge





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IOMMU group 32:[1022:1452] 40:07.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-1fh) PCIe Dummy Host Bridge

IOMMU group 33:[1022:1454] 40:07.1 PCI bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Internal PCIe GPP Bridge 0 to Bus B

IOMMU group 34:[1022:1452] 40:08.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-1fh) PCIe Dummy Host Bridge

IOMMU group 35:[1022:1454] 40:08.1 PCI bridge: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Internal PCIe GPP Bridge 0 to Bus B

IOMMU group 36:[144d:a808] 41:00.0 Non-Volatile memory controller: Samsung Electronics Co Ltd NVMe SSD Controller SM981/PM981/PM983

IOMMU group 37:[10de:0659] 42:00.0 VGA compatible controller: NVIDIA Corporation G96CGL [Quadro FX 580] (rev a1)

IOMMU group 38:[1022:145a] 43:00.0 Non-Essential Instrumentation [1300]: Advanced Micro Devices, Inc. [AMD] Zeppelin/Raven/Raven2 PCIe Dummy Function

IOMMU group 39:[1022:1456] 43:00.2 Encryption controller: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) Platform Security Processor

IOMMU group 40:[1022:145c] 43:00.3 USB controller: Advanced Micro Devices, Inc. [AMD] Family 17h (Models 00h-0fh) USB 3.0 Host Controller

IOMMU group 41:[1022:1455] 44:00.0 Non-Essential Instrumentation [1300]: Advanced Micro Devices, Inc. [AMD] Zeppelin/Renoir PCIe Dummy Function

IOMMU group 42:[1022:7901] 44:00.2 SATA controller: Advanced Micro Devices, Inc. [AMD] FCH SATA Controller [AHCI mode] (rev 51)

CPU Thread Pairings

Pair 1: cpu 0 / cpu 16

Pair 2: cpu 1 / cpu 17

Pair 3: cpu 2 / cpu 18

Pair 4: cpu 3 / cpu 19



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Pair 8: cpu 7 / cpu 23

Pair 9: cpu 8 / cpu 24

Pair 10: cpu 9 / cpu 25

Pair 11: cpu 10 / cpu 26

Pair 12: cpu 11 / cpu 27

Pair 13: cpu 12 / cpu 28

Pair 14: cpu 13 / cpu 29

Pair 15: cpu 14 / cpu 30

Pair 16: cpu 15 / cpu 31

USB Devices

Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub

Bus 001 Device 002: ID 0b05:185c ASUSTek Computer, Inc. Bluetooth Radio

Bus 001 Device 003: ID 0b05:1867 ASUSTek Computer, Inc. AURA Custom Human interface

Bus 002 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub

Bus 003 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub

Bus 004 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub

Bus 005 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub

Bus 005 Device 002: ID 2109:2812 VIA Labs, Inc. VL812 Hub

Bus 005 Device 003: ID 214b:7250 VIA Labs, Inc. USB2.0 Hub





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Bus 005 Device 007: ID 046d:c539 Logitech, Inc.

Bus 005 Device 008: ID 2109:2812 VIA Labs, Inc. VL812 Hub

Bus 005 Device 009: ID 2109:2812 VIA Labs, Inc. VL812 Hub

Bus 006 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub

Bus 007 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub

Bus 008 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub

Bus 008 Device 002: ID 0951:1666 Kingston Technology DataTraveler 100 G3/G4/SE9 G2

SCSI Devices

[0:0:0:0]	disk	Kingston DataTraveler 3.0	/dev/sda	15.4GB
[1:0:0:0]	disk	ATA Samsung SSD 860 2B6Q	/dev/sdb	256GB
[2:0:0:0]	disk	ATA Samsung SSD 860 2B6Q	/dev/sdc	256GB
[3:0:0:0]	disk	ATA ST8000DM004-2CX1 0001	/dev/sdd	8.00TB
[4:0:0:0]	disk	ATA ST8000DM004-2CX1 0001	/dev/sde	8.00TB
[5:0:0:0]	disk	ATA ST8000DM004-2CX1 0001	/dev/sdf	8.00TB
[6:0:0:0]	disk	ATA ST8000DM004-2CX1 0001	/dev/sdg	8.00TB
[N:0:4:1]	disk	Samsung SSD 970 EVO 500GB__1	/dev/nvme0n1	500GB
[N:1:4:1]	disk	Samsung SSD 970 EVO 500GB__1	/dev/nvme1n1	500GB

Done





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