

Special IPMI Commands

June 5th, 2025

1. IPMI Command

1.1. IPMI standard Command

Only the IPMI standard commands with AIC specific implementation are listed below.

1.1.1. Get Device ID (NetFn: 0x6, Command: 0x01)

Only the fields highlighted in green are AIC specific.

The firmware version is <Firmware Revision 1>.<Firmware Revision 2>.<Byte 1 of Auxiliary Firmware Revision Information>.

	Byte	Data Field
Request Data	-	-
Response Data	1	Completion Code
	2	Device ID
	3	Device Revision
	4	Firmware Revision 1 (Major Firmware Revision)
	5	Firmware Revision 2 (Minor Firmware Revision)
	6	IPMI Version
	7	Additional Device Support
	8:10	Manufacturer ID, LS Byte first.
	11:12	Product ID, LS Byte first.
	13	Byte 1 of Auxiliary Firmware Revision Information
	14	Byte 2 of Auxiliary Firmware Revision Information
	15	Byte 3 of Auxiliary Firmware Revision Information
	16	Byte 4 of Auxiliary Firmware Revision Information

1.2. IPMI OEM Command

1.2.1. Get HDD Status (NetFn: 0x3C, Command: 0x31)

	Byte	Data Field
Request Data	-	-
Response Data	1	Completion Code
	2:25	Hard disk drive status for each slot 0x01: Normal 0x02: Abnormal 0x03: Absence 0x04: Presence but Power-off

	0x05: Bad HDD 0x06: Not Supported
--	--------------------------------------

1.2.2. HDD Control (NetFn: 0x3C, Command: 0x30)

	Byte	Data Field
Request Data	1	0x08
	2	Slot number
	3	Action 0x00: Drive off 0x01: Drive on
Response Data	1	Completion Code

1.2.3. Get BMC Firmware Name (NetFn: 0x3A, Command: 0x33)

	Byte	Data Field
Request Data	-	-
Response Data	1	Completion Code
	2:14	BMC Platform Name

1.2.4 Get Power Setting (NetFn: 0x3C, Command: 0x36)

	Byte	Data Field
Request Data	-	-
Response Data	1	Setting 0x00: Keep Power On 0x01: Keep Power Off 0x02: Last Power Status

1.2.5 Set Power Setting (NetFn: 0x3C, Command: 0x37)

	Byte	Data Field
Request Data	1	Action 0x00: Keep Power On 0x01: Keep Power Off 0x02: Last Power Status
Response Data	-	-