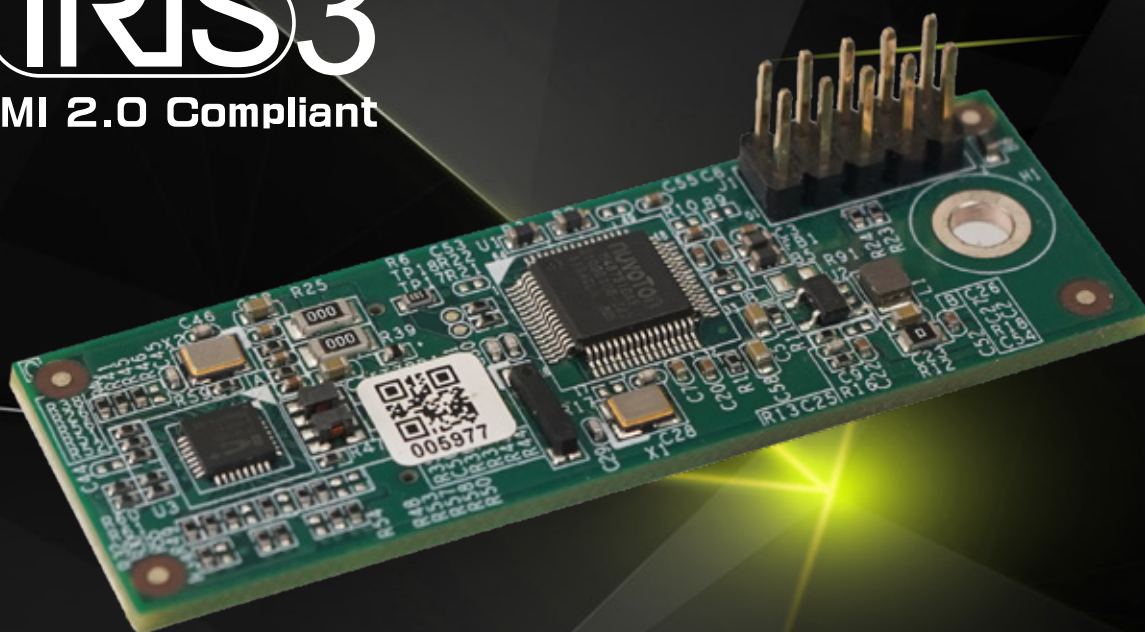


iRIS3-M467

IPMI 2.0 adapter card with M467 MCU chip
for IEI IRIS3 Connector IPMI 2.0 module

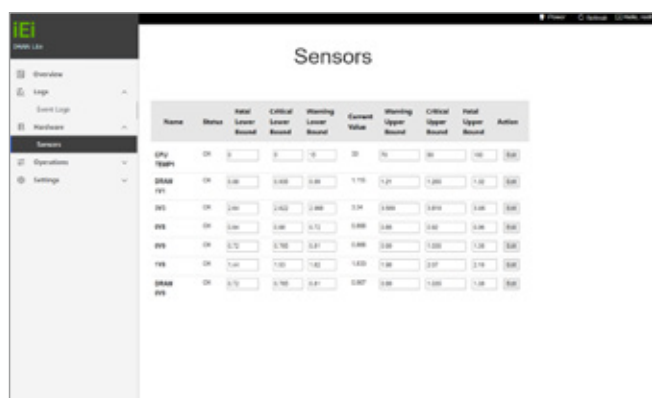
- IPMI 2.0 based remote management
- Out-of-Band management
- Hardware health monitor
- Remote power control



www.ieiworld.com

iMAN-Lite Simple and Intuitive Web-Based Portal

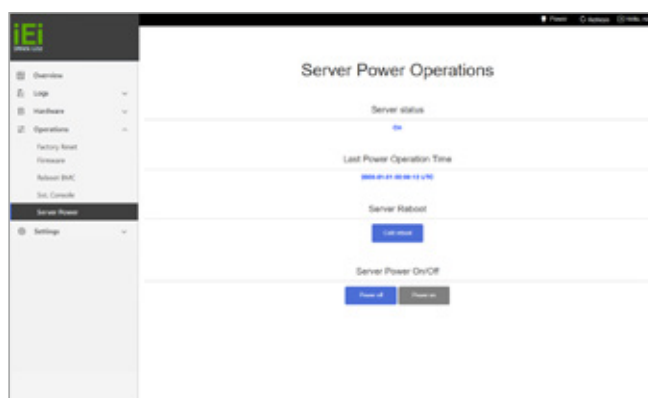
Remote access to scattered devices located on-site with iMAN, the intuitive and user-friendly cloud portal. Combining all the data and information from IEI hardware into a single unified portal



Name	Status	Real Lower Bound	Critical Lower Bound	Warning Lower Bound	Current Value	Warning Upper Bound	Critical Upper Bound	Real Upper Bound	Action
GPU Temp	OK	5	5	75	30	75	85	140	Stop
PSU Temp	OK	5.00	5.00	5.00	1.10	1.20	1.20	1.50	Stop
V1	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V2	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V3	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V4	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V5	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V6	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V7	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V8	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V9	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V10	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V11	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V12	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V13	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V14	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V15	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V16	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V17	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V18	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V19	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V20	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V21	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V22	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V23	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V24	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V25	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V26	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V27	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V28	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V29	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V30	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V31	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V32	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V33	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V34	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V35	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V36	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V37	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V38	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V39	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V40	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V41	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V42	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V43	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V44	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V45	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V46	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V47	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V48	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V49	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V50	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V51	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V52	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V53	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V54	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V55	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V56	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V57	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V58	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V59	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V60	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V61	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V62	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V63	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V64	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V65	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V66	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V67	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V68	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V69	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V70	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V71	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V72	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V73	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V74	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V75	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V76	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V77	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V78	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V79	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V80	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V81	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V82	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V83	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V84	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V85	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V86	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V87	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V88	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V89	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V90	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V91	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V92	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V93	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V94	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V95	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V96	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V97	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V98	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V99	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V100	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop

System Health

This feature displays the status of each sensor used to monitor system health as shown in list.



Server Status
OK

Last Power Operation Time
2023-01-01 00:00:10 (UTC)

Server Restart
Restart

Server Power On/Off
Power Off
Power On

Force Shutdown & Power Back

Resolves system errors by shutting down and powering back devices with Out-of-Band (OOB) technology

iMAN-Lite

Overview

Logs

Event Logs

Hardware

Sensors

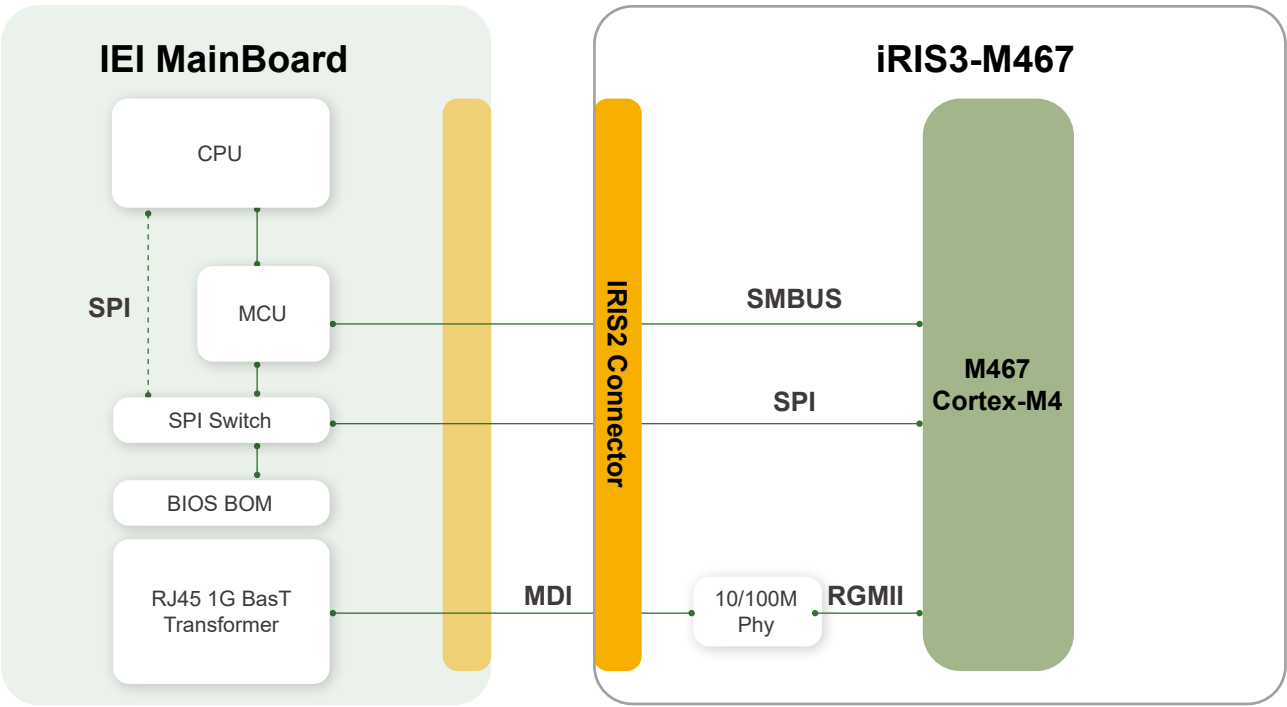
Operations

Settings

Sensors

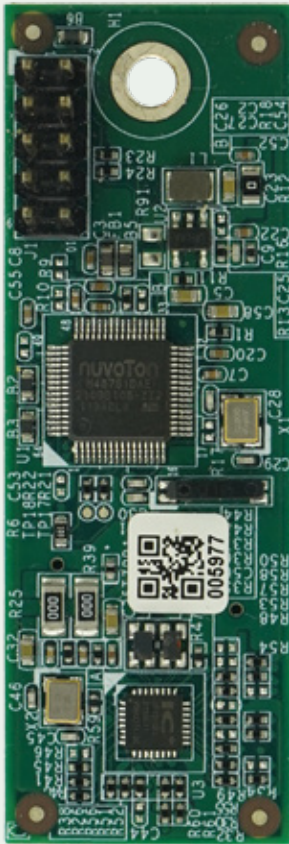
Name	Status	Real Lower Bound	Critical Lower Bound	Warning Lower Bound	Current Value	Warning Upper Bound	Critical Upper Bound	Real Upper Bound	Action
CPU Temp	OK	5	5	75	30	75	85	140	Stop
PSU Temp	OK	5.00	5.00	5.00	1.10	1.20	1.20	1.50	Stop
V1	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V2	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V3	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V4	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V5	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V6	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V7	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V8	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V9	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V10	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V11	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V12	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V13	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V14	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V15	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V16	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V17	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V18	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V19	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V20	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V21	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V22	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V23	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V24	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V25	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V26	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V27	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V28	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V29	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V30	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V31	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V32	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V33	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V34	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V35	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V36	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V37	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V38	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V39	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V40	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V41	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V42	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V43	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V44	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V45	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V46	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V47	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V48	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V49	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V50	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V51	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V52	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V53	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V54	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V55	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V56	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V57	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V58	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V59	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V60	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V61	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V62	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V63	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V64	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V65	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V66	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V67	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V68	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V69	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V70	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V71	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V72	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V73	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V74	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V75	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V76	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V77	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V78	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V79	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V80	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V81	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V82	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V83	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V84	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V85	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V86	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V87	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V88	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V89	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V90	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V91	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V92	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V93	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V94	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V95	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V96	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V97	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V98	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V99	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop
V100	OK	2.00	2.00	2.00	0.04	0.04	0.04	0.04	Stop

Block Diagram



PIN define

iRIS3 pin define	Pin No.	Pin No.	iRIS3 pin define
SDA1	1	2	PHY_LED_100M
SCL1	3	4	PHY_LED_10M
GND	5	6	PHY_LED_LINK_ACT#
SPI_MOSI	7	8	GND
SPI_MISO	9	10	GBE_MDI3_P/RMII3RCLKI /MDI_TP
SPI_CLK	11	12	GBE_MDI2_N/RMII3RXD0 /MDI_TN
SPI_CS0	13	14	GND
SPI_D2	15	16	GBE_MDI2_P/RMII3RXD1 /MDI_RP
SPI_D3	17	18	GBE_MDI2_N/RMII3CRSDV /MDI_RN
GND	19	20	GND
UART1_TX	21	22	GBE_MDI1_P/RMII3RXER
UART1_RX	23	24	GBE_MDI1_N/RMII3TXEN
GND	25	26	GND
SYS_RESET_N_BMC	27	28	GBE_MDI0_P/RMII3TXD0
GND	29	30	GBE_MDI0_N/RMII3TXD1
	31	32	GND
	33	34	Reserved
	35	36	+V5
MDC /GPIO	37	38	+V5
MDIO/GPIO	39	40	+V5



Specifications

Model	iRIS3-M467
Form Factor	IEI iRIS3 connector type
Dimensions (LxWxH)	60mm x 20mm x 12mm
Net Weight	12g
Ethernet	Description: 10/100Mbps
IPMI 2.0 Based Management	» BMC stack with a full IPMI 2.0 implementation » Customizable sensor management » OS Platform Independent
Hardware Health Monitor	» System/CPU temperature » Fan speeds » Voltage » Power supply failed » FRU (Field Replaceable Unit)
Event Log	» Hardware health monitor event » Sensor readings
Remote Power Control	» Serial over LAN (SOL)
User Management	» IPMI based user management » Added security with SSL (HTTPS)
Web-based Configuration	» Full configuration using web UI » Fail-safe firmware upgrade » Language support in Web interface with English as the currently supported language
Operating Temperature	-10°C ~ 60°C
Humidity	5% ~ 95%, non-condensing

Packing List

1 x iRIS3-M467 IPMI 2.0 adapter card

Ordering Informaiton

iRIS3-M467-R10	IPMI 2.0 adapter card with M467 MCU chip for IEI IRIS3 Connector IPMI 2.0 module
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Support List

IASO-W10B-IMX8M-R10-MB