VGA COM

CORE
EVENT
W.DOG
MODULE
TEMP
ETHER
COMM
MODEM

USB

USB

HDMI

RCVRY

ETHER

Ascentac OCAMS2049 Series, Monitor Control Unit (MCU), has one built-in alarm buzzer, two external alarm interfaces and eight LED indicators for monitoring the status of the system at any time. This module is connected to Test System Controller (TSC) by Ethernet. The IP of Remote Test Unit (RTU), other parameters or the test status can be set and searched for through the connection. Even if the network is disconnected, Monitor Control Unit (MCU) can still operate autonomously according to the settings.
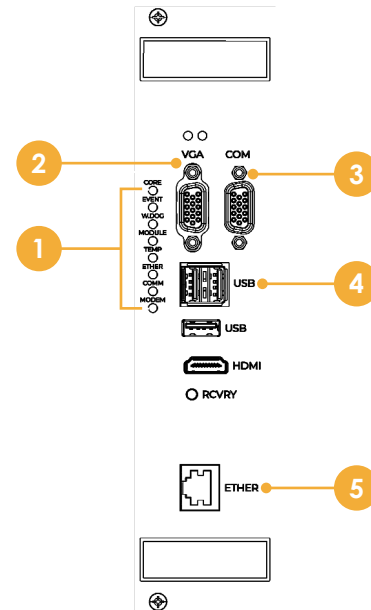
Monitor Control Unit

Ascentac OCAMS2049

Description

Ascentac OCAMS2049 Series, Monitor Control Unit (MCU) can be mounted in the chassis of Remote Test Unit (RTU). Monitor Control Unit (MCU) mainly used to control monitoring process and analyze and store data provides setting tools and interface for Remote Test Unit (RTU). This module has Watch Dog for monitoring whether Monitor Control Unit (MCU) operates normally and operation status of CPU. When Monitor Control Unit (MCU) crashes, it will restart automatically by Watch Dog to maintain the operation of Remote Test Unit (RTU). Besides, Monitor Control Unit (MCU) will control the temperature and decide whether fans are turned on or off.

Appearance

1 LED indicator

2 VGA port

3 Serial port (COM)

4 Keyboard / Mouse port

5 Ethernet port

LED Indicator

Item	LED Indicator	Description	LED Status	Description
1	CORE	Fiber-optic core alarm	Off	Normal
			Red	1. The core is broken. 2. The value of total loss in the core is above the primary or secondary threshold.
2	EVENT	Fiber-optic event alarm	Off	Normal
			Red	The loss value of any event in the core is above the primary or secondary threshold.
3	Watch Dog	MCU module operation status	Off	Watch Dog is working.
			Red	1. CPU restarts. 2. The system is still abnormal 1 min after it restarts.
4	MODULE	Other modules alarm	Green	All modules are operating normally.
			Red	One of the modules operates abnormally.
5	TEMP	Temperature status of RTU	Off	Normal temp.
			Red	Temp. is higher than Mid-temp. threshold but still lower than high-temp. threshold.
			Red & Buzz	Temp. ≥ High-temp. threshold
6	ETHER	Ethernet status	Off	Normal
			Blinking Green	Accessing data
			Red	Disconnected with Internet
7	COM	COM1 operation status	Off	Non-communication. COM1 interface is unused.
			Green	RS-232 CD (Pin 8) in use
			Blinking Green	Accessing data
8	MODEM	Dial-up network status	Off	Dial-up network is unused.
			Blinking Green	Accessing data

Note : ETHER, COM and MODEM are all indicators related to transmitting. These indicators will blink when data is accessing.

Specification

Monitor Control Unit (MCU)	
Model	OCAMS2049
CPU	1GHz
RAM	2GBytes
Data Storage	Over 500GBytes
Interface	10/100/1000Mbps Ethernet RS-232 port, dial-up interface (RJ-11), VGA and PS/2 interface for keyboard/mouse can be provided.
Tolerable Power Supply (V)	+5 @ 2 A (4.75 to 5.25 V)
Maximum Power Demand (V)	+5 @ 2 A (Typical)
Working Temperature (° C)	0 to 60
Size (H x W x D) (mm)	216.5 x 50.3 x 191
Weight (kg)	1.1

Ordering Information

OCAMS 04-20490

Monitor Control Unit ⚬

Example：OCAMS 04-20490

For the latest information regarding this product, please visit our website at http://www.ascentac.com

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