



PRODUCT OVERVIEW



MWOC-RMU is a Remote Management Unit (RMU) for MWOCS series, support OCP system power shelves. The MWOC-RMU can monitor and control the PSUs and/or peripheral equipment installed in the MWOCES-211, MWOCES-192, MWOCES-191-M-B and MWDCES-191 shelves via the PMBus™ and can communicate with host system via Ethernet by SNMP. The MWOC-RMU has <u>LED status indicators</u>, two (2) x <u>RJ45 connectors</u> and it is hot swappable and provides detailed communication and reporting for datacenter applications.

	ORDERING GU	IDE
Part Number	Function	Applicable shelf
MWOC-RMU-2	Monitor and Control Unit	MWOCES / MWDCES series
MWOC-RMU-3	Monitor and Control Unit	MWOCES / MWDCES series

Port MWOC-RMU-2 MWOC-RMU-3 1 Ethernet(100BASE-TX) Ethernet(1000BASE-T)		RJ45 INTERFA	CE
	Port	MWOC-RMU-2	MWOC-RMU-3
0 - 1-1 0 1- (D0 0000)	1	Ethernet(100BASE-TX)	Ethernet(1000BASE-T)
2 Serial Console(RS-232C)	2	Serial Conso	le(RS-232C)

ı	NETWORK PROTOCOLS (Port 1)
Protocol	MWOC-RMU-2, 3
IP	Ver. 4
DHCP client	Ver. 4
DNS client	Available
SNMP agent	Ver. 1 (RFC1155) MurataRMU-MIB available
telnet server	NA
SSH v2 server	Available for CLI
HTTP server	Available for Web GUI
Syslog	BSD format (RFC3164)
NTP client	SNTP Ver. 4

S	ERIAL-PORT PROTOCOLS (Port 2)
Feature	MWOC-RMU-2, 3
Serial console	Available same CLI as SSH2

	FUNCTION AVAILABLE WITH MWOC-RMU-2, 3					
Application	Action	Description				
	Control the unit	ON/OFF control of installed PSUs Selection of the power source				
SNMP	Reporting to the host	ON/OFF Status of each unit Presence information of each unit Status of input power sources Fault information of each PSU, BCU, ATS input / output power of PSU(s)				
	Control the unit	In addition to SNMP, ON/OFF control of installed PSUs, BBUs Execute ATSes Auto Selfcheck				
CLI	Report to the host	Same as SNMP				
CLI	RMU configuration	Set RMU's IP address (selectable "Static" or "DHCP")				
	SNMP configuration	Set Trap receiver's IP address, Set Community names				
Web GUI	IP configuration	Same as CLI				
	SNMP configuration	Same as CLI				

FEATURES

RMU for Power Shelf
Applications

- Communicates internally via PMBus™
- Communicates externally via SNMP
- LED Status Indicators
- Two (2) RJ45 Connectors
- Available for BBU
- Measurement data can be displayed graphically
- Available for Web API
- Available for REDFISH (MWOC-RMU-3 only)
- 2-year warranty

https://www.murata.com/products/power







For full details go to www.murata.com/rohs



MWOC-RMU Series

Remote Management Unit (RMU)

	FUNCTION AVAILABLE WITH M	NOC-RMU-2, 3
Application	Action	Description
Syslog	Send log messages to the host	Send log messages of following events: Occurrence or recovery of alarms Operation of each unit
Event Log	Store log messages to the internal flash	Store same events as Syslog
	DNS configuration	Set DNS server's IP address
	NTP configuration	Set NTP server's hostname or IP address
CLI	Time configuration	Select a time zone, Set daylight saving time
	Syslog configuration	Set SYSLOG server's hostname or IP address
	User configuration	Available commands depend on the user's role
	DNS configuration	Same as CLI
Web GUI	NTP configuration	Same as CLI
web Goi	Time configuration	Same as CLI
	Syslog configuration	Same as CLI

	FUNCTION	N AVAILABLE WITH MWOC-RMU-3
Application	Action	Description
CLI	Time configuration	Select an IANA's time zone
Web API	T.B.D	Compliant with Redfish API

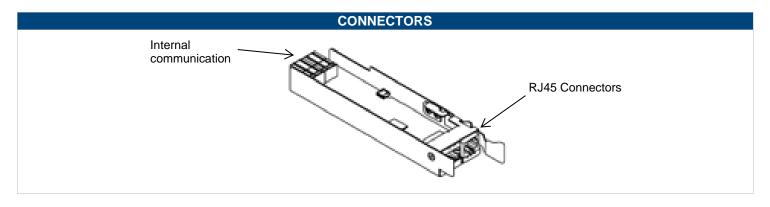
	ENVIRONMENTAL CHARACTERISTICS	3			
Parameter	Conditions	Min.	Тур.	Max.	Units
Storage temperature range		-40		70	°C
Operating temperature range		0		40	°C
Storage humidity	Non-condensing	5		90	%RH
Operating humidity	Non-condensing	5		85	%RH
Altitude (without derating at 40°C)				3,000	m
MTBF	Per Telcordia SR-332 M1C1 @ 40°C	400k			hrs
Shock	30G non-	operating			
Vibration	Operating, random vib	ration, 5-50	00Hz 1.110	3	
Weight	13	0g			



STATUS INDICATION AND CONTROL SIGNAL WITH MWOC-RMU-2			
LED	Function	Status	
LED1	Link	Blinking Green: Communication with host via LAN1 is available	
LED2	Power	Solid Green: RMU powered up	
LED3	Alarm	Solid Amber: One or more alarms occurred in the power shelf	
LED4	For internal use	·	

STATUS INDICATION AND CONTROL SIGNAL WITH MWOC-RMU-3			
LED	Function	Status	
LED0	Link	Solid Green: Communication with host via LAN1 is available	
LED1	Link	Solid Yellow: 1000Base-T is available	
LED2	Power	Solid Green: RMU powered up	
LED3	Alarm	Solid Amber: One or more alarms occurred in the power shelf	

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RJ45 C

RJ45 CONNECTOR PIN ASSIGNMENT (PORT 1) WITH MWOC-RMU-2					
	Pin	Signal	Description		
_	1	TXD+	Sending data (+)		
	2	TXD-	Sending data (-)		
\	3	RXD+	Receiving data (+)		
\	4	-	-		
	5	-	-		
The	6	RXD-	Receiving data (-)		
that a	7	-	-		
b	8	-	-		

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RJ45 CONNE	СТО	I
\wedge	Pin	
	1	
	2	
	3	
	4	
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	6	
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en al di	8	

ECIC	CTOR PIN ASSIGNMENT (PORT 2) WITH MWOC-RMU-2						
Pin	Signal	Description					
1	RTS	Hardware flow control data					
2	+5V	Power supply for an optional part.					
3	TXD	Sending data					
4	GND	-					
5	GND	-					
6	RXD	Receiving data					
7	-	-					
8	CTS	Hardware flow control data					

Note: A Cisco compatible console cable can be applied to Port2.

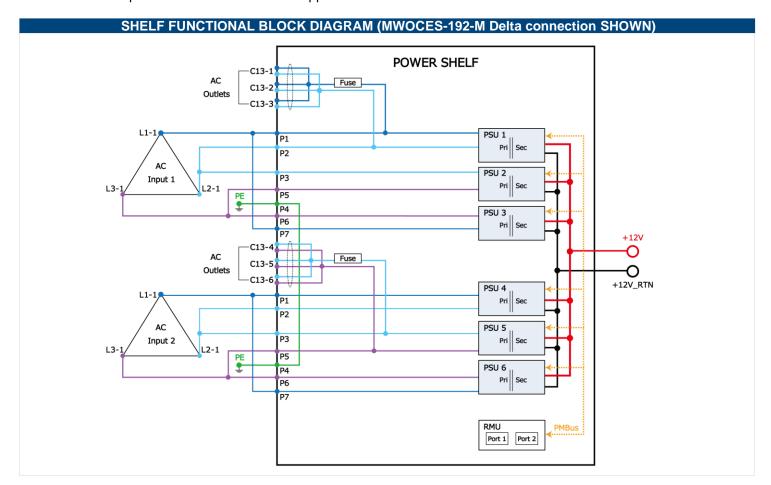




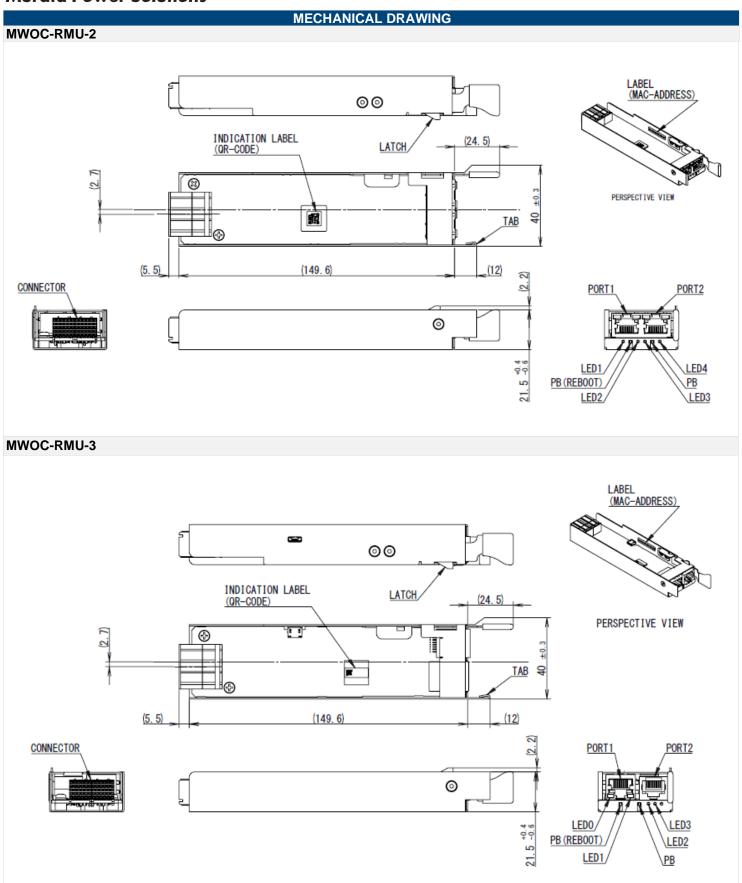
in Signal	Description
1 TP0+	Bi-directional data +
2 TP0-	Bi-directional data -
3 TP1+	Bi-directional data +
4 TP2+	Bi-directional data +
5 TP2-	Bi-directional data -
6 TP1-	Bi-directional data -
7 TP3+	Bi-directional data +
8 TP3-	Bi-directional data -
	TP0+ TP0- TP0- TP1+ TP2+ TP2- TP1- TP3+

RJ45 CONNECTOR PIN ASSIGNMENT (PORT 2) WITH MWOC-RMU-3				
\wedge	Pin	Signal	Description	
	1	-	-	
	2	+5V	Power supply for an optional part.	
	3	TXD	Sending data	
	4	GND	-	
The state of the s	5	GND	-	
	6	RXD	Receiving data	
The state of the s	7	-	-	
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Note: A Cisco compatible console cable can be applied to Port2.









MWOC-RMU Series

Remote Management Unit (RMU)

RELTED PRODUCT DATASHEETS					
Document Number	Description	Click link below to open online datasheet			
MWOCES-192	19" OCP power shelf	Link to: Datasheet			
MWOCES-211	21" OCP power shelf	Link to: Datasheet			
MWOCES-211-P-C	21" OCP power shelf(ORV3)	Link to: Datasheet			
MWDCES-191	19" OCP power shelf	Link to: Datasheet			
MWOCES-191-M-B	19" OCP power shelf	Link to: Datasheet			

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