22. System Registers

This chapter introduces different types of registers.

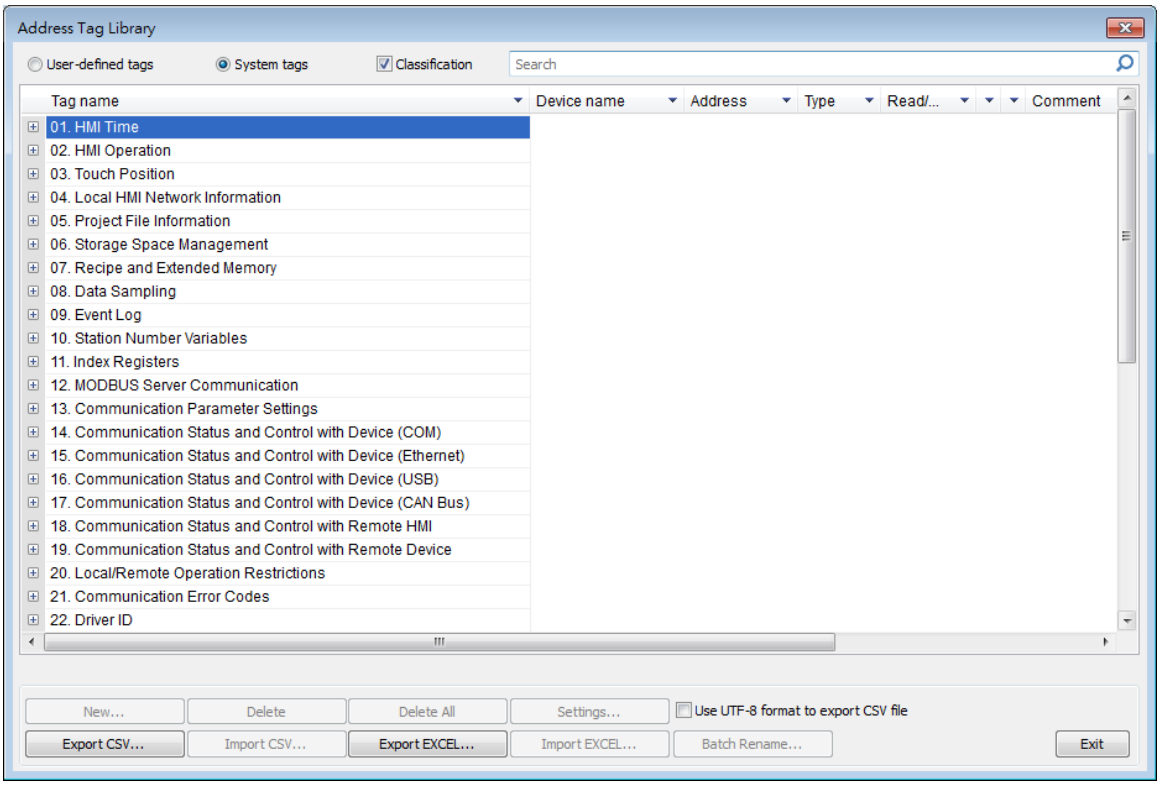
22.1. Overview

Some Word and Bit addresses are reserved in EasyBuilder Pro. These registers are reserved for different functions. This chapter introduces different types of registers.

The “C” letter in the register tables stands for “Control”, which means that this register not only allows write operation, but also can be controlled by Macro or a remote HMI.

When using a cMT/cMT X Series model, the PLW and PLB registers can be selected. LW/LB are local registers whereas PLW/PLB are client registers. The client device can be: cMT-iV5, cMT-iV6, iOS, Android device…etc. When connecting a cMT/cMT X Series model with one or multiple client devices, the PLW/PLB registers can be set on the client devices.

Please note that the supported system tags may vary between models and can be checked in the Address Tag Library, where the unsupported ones will be highlighted in gray.



22.2. The Address Ranges of Local HMI

22.2.1. Bits

Register	Device Type	Range	Format
Local Bits (for users)	LB	0 ~ 8999	DDDDD
Local Bits (for system registers)	LB	9000 ~ 12895	DDDDD
Client Bits	PLB	0 ~ 12399	DDDDD
Local Word Bits	LW_Bit	0 ~ 1290015	DDDDDdd DDDDD: address dd: bit no. (00 ~ 15)
Client Word Bits	PLW_Bit	0 ~ 1230015	DDDDDdd DDDDD: address dd: bit no. (00 ~ 15)
Retentive Bit Index	RBI	0 ~ 65535f	DDDDDh DDDDD: address h: bit no. (0 ~ f) Use LW-9000 as Index Register, and correspond to RW_Bit
Retentive Word Bits	RW_Bit	0 ~ 524287f	DDDDDh DDDDD: address h: bit no. (0 ~ f)
Retentive A Word Bits	RW_A_Bit	0 ~ 65535f	DDDDDh DDDDD: address h: bit no. (0 ~ f)
Client Retentive Word Bits	PRW_Bit	0 ~ 52428715	DDDDDdd DDDDD: address dd: bit no. (00 ~ 15)

22.2.2. Words

Register	Device Type	Range	Format
Local Words (for users)	LW	0 ~ 8999	DDDDD
Local Words (for system registers)	LW	9000 ~ 12900	DDDDD
Client Words	PLW	0 ~ 12300	DDDDD

Retentive Words	RW	0 ~ 524287	DDDDDD
Retentive A Words	RW_A	0 ~ 65535	DDDDD
Retentive Word Index	RWI	0 ~ 65535	DDDDD Use LW-9000 as Index Register, and correspond to RW
Client Retentive Words	PRW	0 ~ 524287	DDDDDD
Extended Memory Words	EM0 ~ EM15	0 ~ 1073741823	DDDDDDDDDD

22.3. System Registers

22.3.1. HMI Time

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-11958	time setting error (when ON) *Note 3	R	R	R	Y
LW-9010	(16bit-BCD) : local second	R/W	R/C	R/C	Y
LW-9011	(16bit-BCD) : local minute	R/W	R/C	R/C	Y
LW-9012	(16bit-BCD) : local hour	R/W	R/C	R/C	Y
LW-9013	(16bit-BCD) : local day	R/W	R/C	R/C	Y
LW-9014	(16bit-BCD) : local month	R/W	R/C	R/C	Y
LW-9015	(16bit-BCD) : local year	R/W	R/C	R/C	Y
LW-9016	(16bit-BCD) : local week	R	R	R	Y
LW-9017	(16bit) : local second	R/W	R/C	R/C	Y
LW-9018	(16bit) : local minute	R/W	R/C	R/C	Y
LW-9019	(16bit) : local hour	R/W	R/C	R/C	Y
LW-9020	(16bit) : local day	R/W	R/C	R/C	Y
LW-9021	(16bit) : local month	R/W	R/C	R/C	Y
LW-9022	(16bit) : local year *Note 1	R/W	R/C	R/C	Y
LW-9023	(16bit) : local week *Note 2	R	R	R	Y
LW-9030	(32bit) : system time (unit : 0.1 second)	R	R	R	Y

LW-9048	(16bit) : time (0 : AM, 1 : PM)	R/W	R/C	R/C	Y
LW-9049	(16bit) : local hour (12-hour format)	R/W	R/C	R/C	Y

Note

1. Value range: 2000 ~ 2035.
2. Value range: 0 ~ 6, stand for Sunday ~ Saturday.
3. When using LW-9010 to LW-9023 to update RTC time and an invalid value is set, the time before the update will be restored and the system register [LB-11958: time setting error] will be set ON. Updating time on PC during simulation by using LW-9010 to LW-9023 is ineffective.

22.3.2. HMI Operation

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9018	disable(set ON)/enable (set OFF) mouse cursor	R/W	R/C	R/C	Y
LB-9019	disable(set ON)/enable (set OFF) sound output	R/W	R/C	R/C	Y
LB-9020	show (set ON)/ hide (set OFF) system setting bar	R/W	R/C	R/C	Y
LB-9033	disable(when on)/enable (when off) HMI upload function *Note 1	R/W	R/C	R	Y
LB-9040	backlight up (set ON) *Note 2	W	C	C	Y
LB-9041	backlight down (set ON) *Note 2	W	C	C	Y
LB-9047	reboot HMI (set ON when LB-9048 is on)	W	C	C	Y
LB-9048	reboot-HMI protection	R/W	R/C	R/C	Y
LB-9062	open hardware setting dialog (set ON)	W	C	C	Y
LB-9063	disable(set ON)/enable(set OFF) popping information dialog while finding an USB disk	R/W	R/C	R/C	Y
LB-9064	enable USB barcode device (disable keyboard) (when ON) *Note 5	R/W	R/C	R	Y
LB-11959	LED indicator control *Note 4	R/W	R/C	R/C	N
LB-12042	open/close [System information] dialog (set ON/set OFF)	R/W	R/C	R/C	N
LB-12051	buzzer control (active when ON)	R/W	R/C	R/C	Y
LB-12360	CPU loading alarm (> 95%) *Note 6	R	R	R	Y
LB-12364	show (set ON)/hide (set OFF) [Reset HMI to default] button in calibration mode	R/W	R/C	R/C	N
LB-12660	status of reset button (when the button is pressed, status is ON)	R	R	R	Y
LB-12665	open USB/SD card download/upload dialog	R/W	R/C	R/C	Y
LB-12752	disable(set OFF)/enable(set ON) vibration. (Supported OS version : 20200618 or later) *Note 7	R/W	R/C	R/C	Y
LW-9007	(16bit) : hardware index	R	R	R	N
LW-9008	(32bit-float) : battery voltage *Note 3	R	R	R	N
LW-9025	(16bit) : CPU loading (x 100%)	R	R	R	Y
LW-9026	(16bit) : OS version (year)	R	R	R	Y
LW-9027	(16bit) : OS version (month)	R	R	R	Y

LW-9028	(16bit) : OS version (day)	R	R	R	Y
LW-9040	(16bit) : backlight index *Note 2	R/W	R/C	R/C	Y
LW-9051	(16bit) : audio volume (0 ~100)	R/W	R/C	R/C	Y
LW-9054	(32bit) : HMI model ID	R	R	R	Y
LW-9080	(16bit) : backlight saver time (unit : minute)	R/W	R/C	R/C	Y
LW-9081	(16bit) : screen saver time (unit : minute)	R/W	R/C	R/C	Y
LW-9141	(16bit) : HMI station no.	R/W	R/C	R/C	Y
LW-9199	(16bit) : external keyboard layout : 0: (QWERTY), 1: (AZERTY), 2: (Cyrillic)	R/W	R/C	R/C	Y
LW-9350	(16bit) : pending command no. in local HMI	R	R	R	Y
LW-10884	(16 words) : HMI name	R/W	R/C	R/C	Y
LW-11155	(32bit) : the total size of HMI memory (K bytes)	R	R	R	Y
LW-11157	(32bit) : the free size of HMI memory (K bytes)	R	R	R	Y
LW-11159	(16bit) : memory loading (x 100%)	R	R	R	Y
LW-11382	(16bit) : DIP switch status (bit 0 : DIP 1, bit 1 : DIP 2, bit 2 : DIP 3)	R	R	R	Y

Note

1. After changing the settings, please reboot HMI for the updates to take effect.
2. Use LW-9040 together with LB-9040 ~ LB-9041 to adjust the backlight brightness, range: 0 ~ 31.
3. Only supported by eMT Series. When the battery voltage level, indicated by LW-9008, drops below 2.8V, battery replacement is recommended.
4. When multiple mTV or cMT-SVR/cMT-HDM/cMT-FHD devices are used, this register can be triggered to make the LED indicator blink for identifying the device.
5. LB-9064: Enable USB barcode device (disable keyboard).

Click the icon to download the demo project. Please confirm your internet connection.

6. This register will be set to ON if CPU loading remains over 95% for 30 seconds.
7. Only supported on cMT3162X.

22.3.3. Touch Position

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LW-9041	(16bit) : touch status word(bit 0 on = user is touching the screen)	R	R	R	Y
LW-9042	(16bit) : touch x position	R	R	R	Y

LW-9043	(16bit) : touch y position	R	R	R	Y
LW-9044	(16bit) : leave x position	R	R	R	Y
LW-9045	(16bit) : leave y position	R	R	R	Y

Click the icon to download the demo project that explains how to how to trigger relevant registers to change page with finger slide. Please confirm your internet connection.

22.3.4. Local HMI Network Information

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-12041	refresh HMI ethernet information (DHCP, gateway, netmask, IP) (set ON)	R/W	R/C	R/C	Y
LB-12094	update ethernet 1 setting (IP, netmask, gateway) (set ON)	R/W	R/C	R/C	Y
LB-12095	update ethernet 2 setting (IP, netmask) (set ON)	R/W	R/C	R/C	Y
LW-9125	(16bit) : HMI ethernet 1 gateway 0 (for HMI use only)	R/W	R/C	R/C	Y
LW-9126	(16bit) : HMI ethernet 1 gateway 1 (for HMI use only)	R/W	R/C	R/C	Y
LW-9127	(16bit) : HMI ethernet 1 gateway 2 (for HMI use only)	R/W	R/C	R/C	Y
LW-9128	(16bit) : HMI ethernet 1 gateway 3 (for HMI use only)	R/W	R/C	R/C	Y
LW-9129	(16bit) : HMI ethernet 1 IP 0 (for HMI use only)	R/W	R/C	R/C	Y
LW-9130	(16bit) : HMI ethernet 1 IP 1 (for HMI use only)	R/W	R/C	R/C	Y
LW-9131	(16bit) : HMI ethernet 1 IP 2 (for HMI use only)	R/W	R/C	R/C	Y
LW-9132	(16bit) : HMI ethernet 1 IP 3 (for HMI use only)	R/W	R/C	R/C	Y
LW-9133	(16bit) : ethernet port no.	R	R	R	Y
LW-9135	(16bit) : HMI media access control (MAC) address 0	R	R	R	Y
LW-9136	(16bit) : HMI media access control (MAC) address 1	R	R	R	Y
LW-9137	(16bit) : HMI media access control (MAC) address 2	R	R	R	Y
LW-9138	(16bit) : HMI media access control (MAC) address 3	R	R	R	Y

LW-9139	(16bit) : HMI media access control (MAC) address 4	R	R	R	Y
LW-9140	(16bit) : HMI media access control (MAC) address 5	R	R	R	Y
LW-10750	(16bit) : HMI ethernet 1 Mask 0 (for HMI use only)	R/W	R/C	R/C	Y
LW-10751	(16bit) : HMI ethernet 1 Mask 1 (for HMI use only)	R/W	R/C	R/C	Y
LW-10752	(16bit) : HMI ethernet 1 Mask 2 (for HMI use only)	R/W	R/C	R/C	Y
LW-10753	(16bit) : HMI ethernet 1 Mask 3 (for HMI use only)	R/W	R/C	R/C	Y
LW-10786	(16bit) : HMI ethernet 2 IP 0 (for HMI use only)	R/W	R/C	R/C	Y
LW-10787	(16bit) : HMI ethernet 2 IP 1 (for HMI use only)	R/W	R/C	R/C	Y
LW-10788	(16bit) : HMI ethernet 2 IP 2 (for HMI use only)	R/W	R/C	R/C	Y
LW-10789	(16bit) : HMI ethernet 2 IP 3 (for HMI use only)	R/W	R/C	R/C	Y
LW-10790	(16bit) : HMI ethernet 2 netmask 0 (for HMI use only)	R/W	R/C	R/C	Y
LW-10791	(16bit) : HMI ethernet 2 netmask 1 (for HMI use only)	R/W	R/C	R/C	Y
LW-10792	(16bit) : HMI ethernet 2 netmask 2 (for HMI use only)	R/W	R/C	R/C	Y
LW-10793	(16bit) : HMI ethernet 2 netmask 3 (for HMI use only)	R/W	R/C	R/C	Y
LW-10794	(16bit) : HMI ethernet 2 gateway 0 (for HMI use only)	R/W	R/C	R/C	Y
LW-10795	(16bit) : HMI ethernet 2 gateway 1 (for HMI use only)	R/W	R/C	R/C	Y
LW-10796	(16bit) : HMI ethernet 2 gateway 2 (for HMI use only)	R/W	R/C	R/C	Y
LW-10797	(16bit) : HMI ethernet 2 gateway 3 (for HMI use only)	R/W	R/C	R/C	Y
LW-10798	(16bit) : ethernet 2 media access control (MAC) address 0	R	R	R	Y
LW-10799	(16bit) : ethernet 2 media access control (MAC) address 1	R	R	R	Y
LW-10800	(16bit) : ethernet 2 media access control	R	R	R	Y

	(MAC) address 2				
LW-10801	(16bit) : ethernet 2 media access control (MAC) address 3	R	R	R	Y
LW-10802	(16bit) : ethernet 2 media access control (MAC) address 4	R	R	R	Y
LW-10803	(16bit) : ethernet 2 media access control (MAC) address 5	R	R	R	Y
LW-10804	(16bit) : HMI ethernet 1 domain name system (DNS) server IP0	R/W	R/C	R/C	Y
LW-10805	(16bit) : HMI Ethernet 1 domain name system (DNS) server IP1	R/W	R/C	R/C	Y
LW-10806	(16bit) : HMI Ethernet 1 domain name system (DNS) server IP2	R/W	R/C	R/C	Y
LW-10807	(16bit) : HMI Ethernet 1 domain name system (DNS) server IP3	R/W	R/C	R/C	Y
LW-10808	(16bit) : HMI ethernet 2 domain name system (DNS) server IP0	R/W	R/C	R/C	Y
LW-10809	(16bit) : HMI ethernet 2 domain name system (DNS) server IP1	R/W	R/C	R/C	Y
LW-10810	(16bit) : HMI ethernet 2 domain name system (DNS) server IP2	R/W	R/C	R/C	Y
LW-10811	(16bit) : HMI ethernet 2 domain name system (DNS) server IP3	R/W	R/C	R/C	Y
LW-10812	(16bit) : obtain an IP address automatically (DHCP => 0 : off, 1 : on)	R/W	R/C	R/C	Y
LW-10813	(16bit) : obtain an ethernet 2 IP address automatically (DHCP => 0 : off, 1 : on)	R/W	R/C	R/C	Y
LW-10815	(16bit) : link speed of ethernet 1 (0:failure, 10 (10M), 100 (100M), 1000 (1G))	R	R	R	Y
LW-10816	(16bit) : link speed of ethernet 2 (0:failure, 10 (10M), 100 (100M), 1000 (1G))	R	R	R	Y

22.3.5. Project File Information

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LW-9100	(16bit) : project name (14 words)	R	R	R	Y

LW-9116	(32bit) : project size in bytes	R	R	R	Y
LW-9118	(32bit) : project size in K bytes	R	R	R	Y
LW-9120	(32bit) : EasyBuilder Pro version	R	R	R	Y
LW-9122	(16bit) : project compiled date [year]	R	R	R	Y
LW-9123	(16bit) : project compiled date [month]	R	R	R	Y
LW-9124	(16bit) : project compiled date [day]	R	R	R	Y
LW-11440	(16bit) : project compiled time [hour] (24-hour format)	R	R	R	Y
LW-11441	(16bit) : project compiled time [minute]	R	R	R	Y
LW-11442	(16bit) : project compiled time [second]	R	R	R	Y
LW-12752	(16 words) : project checksum	R	R	R	Y

22.3.6. Storage Space Management

System registers listed in this section are available exclusively for models equipped with an SD card slot or two USB ports only.

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9035	HMI free space insufficiency alarm (when ON)	R	R	R	Y
LB-9036	SD card free space insufficiency alarm (when ON)	R	R	R	Y
LB-9037	USB disk 1 free space insufficiency alarm (when ON)	R	R	R	Y
LB-9038	USB disk 2 free space insufficiency alarm (when ON) *Note 1	R	R	R	Y
LB-12048	USB disk 1 status (exists when ON)	R	R	R	Y
LB-12049	USB disk 2 status (exists when ON) *Note 1	R	R	R	Y
LB-12050	SD card status (exists when ON)	R	R	R	Y
LW-9070	(16bit) : free space insufficiency warning (Mega bytes)	R	R	R	N
LW-9071	(16bit) : reserved free space size (Mega bytes)	R	R	R	N
LW-9072	(32bit) : HMI current free space (K bytes)	R	R	R	Y
LW-9074	(32bit) : SD current free space (K bytes)	R	R	R	Y
LW-9076	(32bit) : USB disk 1 current free space (K bytes)	R	R	R	Y
LW-9078	(32bit) : USB disk 2 current free space (K bytes) *Note 1	R	R	R	N

LW-11458	(32bit) : HMI total space for history data (K bytes) *Note 2	R	R	R	Y
LW-11460	(32bit) : HMI current free space for history data (K bytes) *Note 2	R	R	R	Y
LW-12492	(4 words) : last detected USB partition ID *Note 3	R	R	R	Y
LW-12496	(32-bit float) : last detected USB partition size (GB) *Note 3	R	R	R	Y
LW-12498	(4 words) : set the partition ID to be used as USB1 *Note 3	R/W	R/C	R/C	Y
LW-12502	(4 words) : set the partition ID to be used as USB2 *Note 3	R/W	R/C	R/C	Y

Note

1. The registers relating to USB disk 2 are only supported on iP / iE and cMT X Series models.
2. Only available on cMT / cMT X Series model.
3. When a USB's partition ID is manually set in LW-12498/LW-12502, only this USB disk will be identified as USB1/USB2. To remove the partition ID association, please set an empty value in LW-12498/LW-12502. When the same partition ID is used as both USB1 ID (LW-12498) and USB2 ID (LW-12502), the USB disk associated with this USB ID will be identified as USB1.

Click the icon to download the demo project that explains how to use LW-9072 ~ LW-9076 with Backup Object. Please confirm your internet connection.

22.3.7. Recipe and Extended Memory

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9028	reset all recipe data (set ON)	W	C	C	Y
LB-9029	save all recipe data to machine (set ON)	W	C	C	Y
LB-9460	EM0's storage device (SD card) does not exist (when ON)	R	R	R	Y
LB-9461	EM1's storage device (SD card) does not exist (when ON)	R	R	R	Y
LB-9462	EM2's storage device (SD card) does not exist (when ON)	R	R	R	Y
LB-9463	EM3's storage device (SD card) does not exist	R	R	R	Y

	(when ON)				
LB-9464	EM4's storage device (SD card) does not exist (when ON)	R	R	R	Y
LB-9465	EM5's storage device (SD card) does not exist (when ON)	R	R	R	Y
LB-9466	EM6's storage device (SD card) does not exist (when ON)	R	R	R	Y
LB-9467	EM7's storage device (SD card) does not exist (when ON)	R	R	R	Y
LB-9468	EM8's storage device (SD card) does not exist (when ON)	R	R	R	Y
LB-9469	EM9's storage device (SD card) does not exist (when ON)	R	R	R	Y
LB-9470	EM0's storage device (USB disk) does not exist (when ON)	R	R	R	Y
LB-9471	EM1's storage device (USB disk) does not exist (when ON)	R	R	R	Y
LB-9472	EM2's storage device (USB disk) does not exist (when ON)	R	R	R	Y
LB-9473	EM3's storage device (USB disk) does not exist (when ON)	R	R	R	Y
LB-9474	EM4's storage device (USB disk) does not exist (when ON)	R	R	R	Y
LB-9475	EM5's storage device (USB disk) does not exist (when ON)	R	R	R	Y
LB-9476	EM6's storage device (USB disk) does not exist (when ON)	R	R	R	Y
LB-9477	EM7's storage device (USB disk) does not exist (when ON)	R	R	R	Y
LB-9478	EM8's storage device (USB disk) does not exist (when ON)	R	R	R	Y
LB-9479	EM9's storage device (USB disk) does not exist (when ON)	R	R	R	Y
LB-9480	EM0's storage device (USB disk 2) does not exist (when ON)	R	R	R	Y
LB-9481	EM1's storage device (USB disk 2) does not exist (when ON)	R	R	R	Y

LB-9482	EM2's storage device (USB disk 2) does not exist (when ON)	R	R	R	Y
LB-9483	EM3's storage device (USB disk 2) does not exist (when ON)	R	R	R	Y
LB-9484	EM4's storage device (USB disk 2) does not exist (when ON)	R	R	R	Y
LB-9485	EM5's storage device (USB disk 2) does not exist (when ON)	R	R	R	Y
LB-9486	EM6's storage device (USB disk 2) does not exist (when ON)	R	R	R	Y
LB-9487	EM7's storage device (USB disk 2) does not exist (when ON)	R	R	R	Y
LB-9488	EM8's storage device (USB disk 2) does not exist (when ON)	R	R	R	Y
LB-9489	EM9's storage device (USB disk 2) does not exist (when ON)	R	R	R	Y
LB-12363	Prohibit recipe database update from remote HMI (set ON)	R/W	R/C	R/C	Y
LB-12801	EM10's storage device (SD card) does not exist (when ON)	R	R	R	Y
LB-12802	EM11's storage device (SD card) does not exist (when ON)	R	R	R	Y
LB-12803	EM12's storage device (SD card) does not exist (when ON)	R	R	R	Y
LB-12804	EM13's storage device (SD card) does not exist (when ON)	R	R	R	Y
LB-12805	EM14's storage device (SD card) does not exist (when ON)	R	R	R	Y
LB-12806	EM15's storage device (SD card) does not exist (when ON)	R	R	R	Y
LB-12807	EM10's storage device (USB disk) does not exist (when ON)	R	R	R	Y
LB-12808	EM11's storage device (USB disk) does not exist (when ON)	R	R	R	Y
LB-12809	EM12's storage device (USB disk) does not exist (when ON)	R	R	R	Y
LB-12810	EM13's storage device (USB disk) does not	R	R	R	Y

	exist (when ON)				
LB-12811	EM14's storage device (USB disk) does not exist (when ON)	R	R	R	Y
LB-12812	EM15's storage device (USB disk) does not exist (when ON)	R	R	R	Y
LB-12813	EM10's storage device (USB disk 2) does not exist (when ON)	R	R	R	Y
LB-12814	EM11's storage device (USB disk 2) does not exist (when ON)	R	R	R	Y
LB-12815	EM12's storage device (USB disk 2) does not exist (when ON)	R	R	R	Y
LB-12816	EM13's storage device (USB disk 2) does not exist (when ON)	R	R	R	Y
LB-12817	EM14's storage device (USB disk 2) does not exist (when ON)	R	R	R	Y
LB-12818	EM15's storage device (USB disk 2) does not exist (when ON)	R	R	R	Y

22.3.8. Data Sampling

System registers listed in this section are available exclusively for models equipped with an SD card slot or two USB ports only.

Using system registers to delete files, view or update Data Sampling related file information is not supported on cMT Series models. Files can be deleted using the control address designated in Data Sampling settings window, please see Chapter 8 in this manual for more information.

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9025	delete the earliest data sampling file on HMI memory (set ON)	W	C	C	N
LB-9026	delete all data sampling files on HMI memory (set ON)	W	C	C	Y
LB-9027	refresh data sampling information on HMI memory (set ON)	W	C	C	N
LB-9034	save event/data sampling to HMI, USB disk, SD card (set ON) *Note 1	W	C	C	Y
LB-11949	delete the earliest data sampling file on SD card (set ON)	W	C	C	N

LB-11950	delete all data sampling files on SD card (set ON)	W	C	C	Y
LB-11951	refresh data sampling information on SD card (set ON)	W	C	C	N
LB-11952	delete the earliest data sampling file on USB disk 1 (set ON)	W	C	C	N
LB-11953	delete all data sampling files on USB disk 1 (set ON)	W	C	C	Y
LB-11954	refresh data sampling information on USB disk 1 (set ON)	W	C	C	N
LB-11955	delete the earliest data sampling file on USB disk 2 (set ON) *Note 3	W	C	C	N
LB-11956	delete all data sampling files on USB disk 2 (set ON) *Note 3	W	C	C	Y
LB-11957	refresh data sampling information on USB disk 2 (set ON) *Note 3	W	C	C	N
LW-9063	(16bit) : no. of data sampling files on HMI memory	R	R	R	N
LW-9064	(32bit) : size of data sampling files on HMI memory (bytes)	R	R	R	N
LW-10489	(16bit) : no. of data sampling files on SD card	R	R	R	N
LW-10490	(32bit) : size of data sampling files on SD card (bytes)	R	R	R	N
LW-10492	(16bit) : no. of data sampling files on USB disk 1	R	R	R	N
LW-10493	(32bit) : size of data sampling files on USB disk 1 (bytes)	R	R	R	N
LW-10495	(16bit) : no. of data sampling files on USB disk 2 *Note 3	R	R	R	N
LW-10496	(32bit) : size of data sampling files on USB disk 2 (bytes) *Note 3	R	R	R	N

Note

1. The shortest interval between two successful executions is 2 seconds.
2. The registers for deleting or updating data samplings do not work during simulation on PC.
3. The registers relating to USB disk 2 are only supported on iP / iE Series models.

22.3.9. Event Log

System registers listed in this section are available exclusively for models equipped with an SD card slot or two USB ports only.
Using system registers to delete files, view or update Event Log related file information is not supported on cMT Series models. Files can be deleted using the control address designated in Event Log settings window, please see Chapter 7 in this manual for more information.

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9021	reset current event log (OFF->ON)	W	C	C	Y
LB-9022	delete the earliest event log file on HMI memory (set ON)	W	C	C	N
LB-9023	delete all event log files on HMI memory (set ON)	W	C	C	Y
LB-9024	refresh event log information on HMI memory (set ON)	W	C	C	N
LB-9034	save event/data sampling to HMI, USB disk, SD card (set ON) *Note 2	W	C	C	Y
LB-9042	acknowledge all alarm events (set ON)	W	C	C	Y
LB-9043	unacknowledged events exist (when ON)	R	R	R	Y
LB-11940	delete the earliest event log file on SD card (set ON)	W	C	C	N
LB-11941	delete all event log files on SD card (set ON)	W	C	C	Y
LB-11942	refresh event log information on SD card (set ON)	W	C	C	N
LB-11943	delete the earliest event log file on USB disk 1 (set ON)	W	C	C	N
LB-11944	delete all event log files on USB disk 1 (set ON)	W	C	C	Y
LB-11945	refresh event log information on USB disk 1 (set ON)	W	C	C	N
LB-11946	delete the earliest event log file on USB disk 2 (set ON) *Note 4	W	C	C	N
LB-11947	delete all event log files on USB disk 2 (set ON) *Note 4	W	C	C	Y
LB-11948	refresh event log information on USB disk 2 (set ON) *Note 4	W	C	C	N

LB-12024	disable alarm buzzer (set ON)	W	C	C	Y
LB-12399	status is on when alarm exists in any category *Note 5	R	R	R	Y
LB-12400	status is on when alarm exists in category 0 *Note 5	R	R	R	Y
LB-12401	status is on when alarm exists in category 1 *Note 5	R	R	R	Y
LB-12402	status is on when alarm exists in category 2 *Note 5	R	R	R	Y
LB-12403	status is on when alarm exists in category 3 *Note 5	R	R	R	Y
LB-12404	status is on when alarm exists in category 4 *Note 5	R	R	R	Y
LB-12405	status is on when alarm exists in category 5 *Note 5	R	R	R	Y
LB-12406	status is on when alarm exists in category 6 *Note 5	R	R	R	Y
LB-12407	status is on when alarm exists in category 7 *Note 5	R	R	R	Y
LB-12655	status is on when alarm exists in category 255 *Note 5	R	R	R	Y
LW-9060	(16bit) : no. of event log files on HMI memory	R	R	R	N
LW-9061	(32bit) : size of event log files on HMI memory (bytes)	R	R	R	N
LW-9450	(16bit) : time tag of event log – second *Note 1	R/W	R/C	R/C	Y
LW-9451	(16bit) : time tag of event log – minute *Note 1	R/W	R/C	R/C	Y
LW-9452	(16bit) : time tag of event log – hour *Note 1	R/W	R/C	R/C	Y
LW-9453	(16bit) : time tag of event log – day *Note 1	R/W	R/C	R/C	Y
LW-9454	(16bit) : time tag of event log – month *Note 1	R/W	R/C	R/C	Y
LW-9455	(16bit) : time tag of event log – year *Note 1	R/W	R/C	R/C	Y
LW-10480	(16bit) : no. of event log files on SD card	R	R	R	N
LW-10481	(32bit) : size of event log files on SD card (bytes)	R	R	R	N

LW-10483	(16bit) : no. of event log files on USB disk 1	R	R	R	N
LW-10484	(32bit) : size of event log files on USB disk 1 (bytes)	R	R	R	N
LW-10486	(16bit) : no. of event log files on USB disk 2 *Note 4	R	R	R	N
LW-10487	(32bit) : size of event log files on USB disk 2 (bytes) *Note 4	R	R	R	N
LW-11443	(16bit) : push notification alarm status (0 : none; 1 : green; 2 : yellow; 3 : red)	R	R	R	Y
LW-11499	total no. of alarms *Note 5	R	R	R	Y
LW-11500	no. of alarms in category 0 *Note 5	R	R	R	Y
LW-11501	no. of alarms in category 1 *Note 5	R	R	R	Y
LW-11502	no. of alarms in category 2 *Note 5	R	R	R	Y
LW-11503	no. of alarms in category 3 *Note 5	R	R	R	Y
LW-11504	no. of alarms in category 4 *Note 5	R	R	R	Y
LW-11505	no. of alarms in category 5 *Note 5	R	R	R	Y
LW-11506	no. of alarms in category 6 *Note 5	R	R	R	Y
LW-11507	no. of alarms in category 7 *Note 5	R	R	R	Y
LW-11755	no. of alarms in category 255 *Note 5	R	R	R	Y
LW-11763	(16bit) : total no. of low priority level alarms *Note 5	R	R	R	Y
LW-11764	(16bit) : total no. of normal priority level alarms *Note 5	R	R	R	Y
LW-11765	(16bit) : total no. of high priority level alarms *Note 5	R	R	R	Y
LW-11766	(16bit) : total no. of emergency priority level alarms *Note 5	R	R	R	Y

Note

1. If LW-9450 ~ LW-9455 are used to get Event Log time, please enable in [system parameters] » [General].

   Click the icon to download the demo project that explains how to use the system registers LW-9450 to LW-9455 to be the time tag of event log. Please confirm your internet connection.
2. The shortest interval between two successful executions is 2 seconds.
3. The registers for deleting or updating event logs do not work during simulation on PC.
4. The registers relating to USB disk 2 are only supported on iP / iE Series models.

5. Supported only on cMT / cMT X Series.

22.3.10. Station Number Variables

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LW-10000	(16bit) : var0 - station no variable (usage : var0#address)	R/W	R/C	R/C	Y
LW-10001	(16bit) : var1 - station no variable (usage : var1#address)	R/W	R/C	R/C	Y
LW-10002	(16bit) : var2 - station no variable (usage : var2#address)	R/W	R/C	R/C	Y
LW-10003	(16bit) : var3 - station no variable (usage : var3#address)	R/W	R/C	R/C	Y
LW-10004	(16bit) : var4 - station no variable (usage : var4#address)	R/W	R/C	R/C	Y
LW-10005	(16bit) : var5 - station no variable (usage : var5#address)	R/W	R/C	R/C	Y
LW-10006	(16bit) : var6 - station no variable (usage : var6#address)	R/W	R/C	R/C	Y
LW-10007	(16bit) : var7 - station no variable (usage : var7#address)	R/W	R/C	R/C	Y
LW-10008	(16bit) : var8 - station no variable (usage : var8#address)	R/W	R/C	R/C	Y
LW-10009	(16bit) : var9 - station no variable (usage : var9#address)	R/W	R/C	R/C	Y
LW-10010	(16bit) : var10 - station no variable (usage : var10#address)	R/W	R/C	R/C	Y
LW-10011	(16bit) : var11 - station no variable (usage : var11#address)	R/W	R/C	R/C	Y
LW-10012	(16bit) : var12 - station no variable (usage : var12#address)	R/W	R/C	R/C	Y
LW-10013	(16bit) : var13 - station no variable (usage : var13#address)	R/W	R/C	R/C	Y
LW-10014	(16bit) : var14 - station no variable (usage : var14#address)	R/W	R/C	R/C	Y
LW-10015	(16bit) : var15 - station no variable (usage : var15#address)	R/W	R/C	R/C	Y

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22.3.11. Index Registers

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LW-9000	(16bit) : index register of RWI	R/W	R/C	R/C	Y
LW-9200	(16bit) : address index 0	R/W	R/C	R/C	Y
LW-9201	(16bit) : address index 1	R/W	R/C	R/C	Y
LW-9202	(16bit) : address index 2	R/W	R/C	R/C	Y
LW-9203	(16bit) : address index 3	R/W	R/C	R/C	Y
LW-9204	(16bit) : address index 4	R/W	R/C	R/C	Y
LW-9205	(16bit) : address index 5	R/W	R/C	R/C	Y
LW-9206	(16bit) : address index 6	R/W	R/C	R/C	Y
LW-9207	(16bit) : address index 7	R/W	R/C	R/C	Y
LW-9208	(16bit) : address index 8	R/W	R/C	R/C	Y
LW-9209	(16bit) : address index 9	R/W	R/C	R/C	Y
LW-9210	(16bit) : address index 10	R/W	R/C	R/C	Y
LW-9211	(16bit) : address index 11	R/W	R/C	R/C	Y
LW-9212	(16bit) : address index 12	R/W	R/C	R/C	Y
LW-9213	(16bit) : address index 13	R/W	R/C	R/C	Y
LW-9214	(16bit) : address index 14	R/W	R/C	R/C	Y
LW-9215	(16bit) : address index 15	R/W	R/C	R/C	Y
LW-9230	(32bit) : address index 16	R/W	R/C	R/C	Y
LW-9232	(32bit) : address index 17	R/W	R/C	R/C	Y
LW-9234	(32bit) : address index 18	R/W	R/C	R/C	Y
LW-9236	(32bit) : address index 19	R/W	R/C	R/C	Y
LW-9238	(32bit) : address index 20	R/W	R/C	R/C	Y
LW-9240	(32bit) : address index 21	R/W	R/C	R/C	Y
LW-9242	(32bit) : address index 22	R/W	R/C	R/C	Y
LW-9244	(32bit) : address index 23	R/W	R/C	R/C	Y
LW-9246	(32bit) : address index 24	R/W	R/C	R/C	Y
LW-9248	(32bit) : address index 25	R/W	R/C	R/C	Y
LW-9250	(32bit) : address index 26	R/W	R/C	R/C	Y
LW-9252	(32bit) : address index 27	R/W	R/C	R/C	Y
LW-9254	(32bit) : address index 28	R/W	R/C	R/C	Y
LW-9256	(32bit) : address index 29	R/W	R/C	R/C	Y
LW-9258	(32bit) : address index 30	R/W	R/C	R/C	Y
LW-9260	(32bit) : address index 31	R/W	R/C	R/C	Y

PLW-9200	(16bit) : private address index 0	R/W	N/A	N/A	Y
PLW-9201	(16bit) : private address index 1	R/W	N/A	N/A	Y
PLW-9202	(16bit) : private address index 2	R/W	N/A	N/A	Y
PLW-9203	(16bit) : private address index 3	R/W	N/A	N/A	Y
PLW-9204	(16bit) : private address index 4	R/W	N/A	N/A	Y
PLW-9205	(16bit) : private address index 5	R/W	N/A	N/A	Y
PLW-9206	(16bit) : private address index 6	R/W	N/A	N/A	Y
PLW-9207	(16bit) : private address index 7	R/W	N/A	N/A	Y
PLW-9208	(16bit) : private address index 8	R/W	N/A	N/A	Y
PLW-9209	(16bit) : private address index 9	R/W	N/A	N/A	Y
PLW-9210	(16bit) : private address index 10	R/W	N/A	N/A	Y
PLW-9211	(16bit) : private address index 11	R/W	N/A	N/A	Y
PLW-9212	(16bit) : private address index 12	R/W	N/A	N/A	Y
PLW-9213	(16bit) : private address index 13	R/W	N/A	N/A	Y
PLW-9214	(16bit) : private address index 14	R/W	N/A	N/A	Y
PLW-9215	(16bit) : private address index 15	R/W	N/A	N/A	Y
PLW-9230	(32bit) : private address index 16	R/W	N/A	N/A	Y
PLW-9232	(32bit) : private address index 17	R/W	N/A	N/A	Y
PLW-9234	(32bit) : private address index 18	R/W	N/A	N/A	Y
PLW-9236	(32bit) : private address index 19	R/W	N/A	N/A	Y
PLW-9238	(32bit) : private address index 20	R/W	N/A	N/A	Y
PLW-9240	(32bit) : private address index 21	R/W	N/A	N/A	Y
PLW-9242	(32bit) : private address index 22	R/W	N/A	N/A	Y
PLW-9244	(32bit) : private address index 23	R/W	N/A	N/A	Y
PLW-9246	(32bit) : private address index 24	R/W	N/A	N/A	Y
PLW-9248	(32bit) : private address index 25	R/W	N/A	N/A	Y
PLW-9250	(32bit) : private address index 26	R/W	N/A	N/A	Y
PLW-9252	(32bit) : private address index 27	R/W	N/A	N/A	Y
PLW-9254	(32bit) : private address index 28	R/W	N/A	N/A	Y
PLW-9256	(32bit) : private address index 29	R/W	N/A	N/A	Y
PLW-9258	(32bit) : private address index 30	R/W	N/A	N/A	Y
PLW-9260	(32bit) : private address index 31	R/W	N/A	N/A	Y

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22.3.12. MODBUS Server Communication

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9055	MODBUS server (COM 1) receives a request (when ON)	R	R	R	Y
LB-9056	MODBUS server (COM 2) receives a request (when ON)	R	R	R	Y
LB-9057	MODBUS server (COM 3) receives a request (when ON)	R	R	R	Y
LB-9058	MODBUS server (ethernet) receives a request (when ON)	R	R	R	Y
LB-12052	MODBUS server status (disabled when ON)	R/W	R/C	R/C	Y
LW-9270	(16bit) : request's function code - MODBUS server (COM 1)	R	R	R	Y
LW-9271	(16bit) : request's starting address - MODBUS server (COM 1)	R	R	R	Y
LW-9272	(16bit) : request's quantity of registers - MODBUS server (COM 1)	R	R	R	Y
LW-9275	(16bit) : request's function code - MODBUS server (COM 2)	R	R	R	Y
LW-9276	(16bit) : request's starting address - MODBUS server (COM 2)	R	R	R	Y
LW-9277	(16bit) : request's quantity of registers - MODBUS server (COM 2)	R	R	R	Y
LW-9280	(16bit) : request's function code - MODBUS server (COM 3)	R	R	R	Y
LW-9281	(16bit) : request's starting address - MODBUS server (COM 3)	R	R	R	Y
LW-9282	(16bit) : request's quantity of registers - MODBUS server (COM 3)	R	R	R	Y
LW-9285	(16bit) : request's function code - MODBUS server (ethernet)	R	R	R	Y
LW-9286	(16bit) : request's starting address - MODBUS server (ethernet)	R	R	R	Y
LW-9287	(16bit) : request's quantity of registers - MODBUS server (ethernet)	R	R	R	Y
LW-9288	(16bit) : last error code - MODBUS server	R	R	R	Y

	(ethernet)				
LW-9289	(16bit) : last error code - MODBUS server (COM 1)	R	R	R	Y
LW-9290	(16bit) : last error code - MODBUS server (COM 2)	R	R	R	Y
LW-9291	(16bit) : last error code - MODBUS server (COM 3)	R	R	R	Y
LW-9541	(16bit) : MODBUS/ASCII server station no. (COM 1)	R/W	R/C	R/C	Y
LW-9542	(16bit) : MODBUS/ASCII server station no. (COM 2)	R/W	R/C	R/C	Y
LW-9543	(16bit) : MODBUS/ASCII server station no. (COM 3)	R/W	R/C	R/C	Y
LW-9544	(16bit) : MODBUS/ASCII server station no. (ethernet)	R/W	R/C	R/C	Y
LW-9570	(32bit) : received data count (bytes) (COM 1 MODBUS server)	R	R	R	Y
LW-9572	(32bit) : received data count (bytes) (COM 2 MODBUS server)	R	R	R	Y
LW-9574	(32bit) : received data count (bytes) (COM 3 MODBUS server)	R	R	R	Y
LW-9576	(32bit) : received data count (bytes) (Ethernet MODBUS server)	R	R	R	Y

22.3.13. Communication Parameter Settings

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9030	activate COM 1 new communication settings (LW-9550~9554) (set ON)	R/W	R/C	R/C	Y
LB-9031	activate COM 2 new communication settings (LW-9555~9559) (set ON)	R/W	R/C	R/C	Y
LB-9032	activate COM 3 new communication settings (LW-9560~9564) (set ON)	R/W	R/C	R/C	Y
LB-9065	disable/enable COM 1 broadcast station no.	R/W	R/C	R/C	Y
LB-9066	disable/enable COM 2 broadcast station no.	R/W	R/C	R/C	Y
LB-9067	disable/enable COM 3 broadcast station no.	R/W	R/C	R/C	Y

LW-9550	(16bit) : COM 1 mode (0:RS232,1:RS485 2W,2:RS485 4W) (use LB-9030 to activate all communication settings)	R/W	R/C	R/C	Y
LW-9551	(16bit) : COM 1 baud rate (7:1200,8:2400,0:4800,1:9600,10:14400, 2:19200,11:28800,3:38400,4:57600,..) *Note 1	R/W	R/C	R/C	Y
LW-9552	(16bit) : COM 1 databits (7 : 7 bits, 8 : 8 bits)	R/W	R/C	R/C	Y
LW-9553	(16bit) : COM 1 parity (0:none, 1:even, 2:odd, 3:mark, 4:space)	R/W	R/C	R/C	Y
LW-9554	(16bit) : COM 1 stop bits (1 : 1 bit, 2 : 2 bits)	R/W	R/C	R/C	Y
LW-9555	(16bit) : COM 2 mode (0:RS232,1:RS485 2W,2:RS485 4W) (use LB-9031 to activate all communication settings)	R/W	R/C	R/C	Y
LW-9556	(16bit) : COM 2 baud rate (7:1200,8:2400,0:4800,1:9600,10:14400, 2:19200,11:28800,3:38400,4:57600,..) *Note 1	R/W	R/C	R/C	Y
LW-9557	(16bit) : COM 2 databits (7 : 7 bits, 8 : 8 bits)	R/W	R/C	R/C	Y
LW-9558	(16bit) : COM 2 parity (0:none, 1:even, 2:odd, 3:mark, 4:space)	R/W	R/C	R/C	Y
LW-9559	(16bit) : COM 2 stop bits (1 : 1 bit, 2 : 2 bits)	R/W	R/C	R/C	Y
LW-9560	(16bit) : COM 3 mode (0:RS232,1:RS485 2W) (use LB-9032 to activate all communication settings)	R/W	R/C	R/C	Y
LW-9561	(16bit) : COM 3 baud rate (7:1200,8:2400,0:4800,1:9600,10:14400, 2:19200,11:28800,3:38400,4:57600,..) *Note 1	R/W	R/C	R/C	Y
LW-9562	(16bit) : COM 3 databits (7 : 7 bits, 8 : 8 bits)	R/W	R/C	R/C	Y
LW-9563	(16bit) : COM 3 parity (0:none, 1:even, 2:odd, 3:mark, 4:space)	R/W	R/C	R/C	Y
LW-9564	(16bit) : COM 3 stop bits (1 : 1 bit, 2 : 2 bits)	R/W	R/C	R/C	Y
LW-9565	(16bit) : COM 1 broadcast station no.	R/W	R/C	R/C	Y
LW-9566	(16bit) : COM 2 broadcast station no.	R/W	R/C	R/C	Y
LW-9567	(16bit) : COM 3 broadcast station no.	R/W	R/C	R/C	Y
LW-10500	(16bit) : device 1 timeout (unit : 100ms, 0 :	R/W	R/C	R/C	Y

	50ms)				
LW-10501	(16bit) : device 1 turn around delay (unit : ms)	R/W	R/C	R/C	Y
LW-10502	(16bit) : device 1 send ACK delay (unit : ms)	R/W	R/C	R/C	Y
LW-10503	(16bit) : device 1 parameter 1	R/W	R/C	R/C	Y
LW-10504	(16bit) : device 1 parameter 2	R/W	R/C	R/C	Y
LW-10505	(16bit) : device 2 timeout (unit : 100ms, 0 : 50ms)	R/W	R/C	R/C	Y
LW-10506	(16bit) : device 2 turn around delay (unit : ms)	R/W	R/C	R/C	Y
LW-10507	(16bit) : device 2 send ACK delay (unit : ms)	R/W	R/C	R/C	Y
LW-10508	(16bit) : device 2 parameter 1	R/W	R/C	R/C	Y
LW-10509	(16bit) : device 2 parameter 2	R/W	R/C	R/C	Y
LW-10510	(16bit) : device 3 timeout (unit : 100ms, 0 : 50ms)	R/W	R/C	R/C	Y
LW-10511	(16bit) : device 3 turn around delay (unit : ms)	R/W	R/C	R/C	Y
LW-10512	(16bit) : device 3 send ACK delay (unit : ms)	R/W	R/C	R/C	Y
LW-10513	(16bit) : device 3 parameter 1	R/W	R/C	R/C	Y
LW-10514	(16bit) : device 3 parameter 2	R/W	R/C	R/C	Y
LW-10515	(16bit) : device 4 timeout (unit : 100ms)	R/W	R/C	R/C	Y
LW-10516	(16bit) : device 4 turn around delay (unit : ms)	R/W	R/C	R/C	Y
LW-10517	(16bit) : device 4 send ACK delay (unit : ms) (SIEMENS S7/400 Link type)	R/W	R/C	R/C	Y
LW-10518	(16bit) : device 4 parameter 1 (SIEMENS S7/400 rack)	R/W	R/C	R/C	Y
LW-10519	(16bit) : device 4 parameter 2 (SIEMENS S7/400 CPU slot)	R/W	R/C	R/C	Y
LW-10520	(16bit) : device 5 timeout (unit : 100ms)	R/W	R/C	R/C	Y
LW-10521	(16bit) : device 5 turn around delay (unit : ms)	R/W	R/C	R/C	Y
LW-10522	(16bit) : device 5 send ACK delay (unit : ms) (SIEMENS S7/400 Link type)	R/W	R/C	R/C	Y
LW-10523	(16bit) : device 5 parameter 1 (SIEMENS S7/400 rack)	R/W	R/C	R/C	Y
LW-10524	(16bit) : device 5 parameter 2 (SIEMENS S7/400 CPU slot)	R/W	R/C	R/C	Y
LW-10525	(16bit) : device 6 timeout (unit : 100ms)	R/W	R/C	R/C	Y
LW-10526	(16bit) : device 6 turn around delay (unit : ms)	R/W	R/C	R/C	Y
LW-10527	(16bit) : device 6 send ACK delay (unit : ms) (SIEMENS S7/400 Link type)	R/W	R/C	R/C	Y

LW-10528	(16bit) : device 6 parameter 1 (SIEMENS S7/400 rack)	R/W	R/C	R/C	Y
LW-10529	(16bit) : device 6 parameter 2 (SIEMENS S7/400 CPU slot)	R/W	R/C	R/C	Y
LW-10530	(16bit) : device 7 timeout (unit : 100ms)	R/W	R/C	R/C	Y
LW-10531	(16bit) : device 7 turn around delay (unit : ms)	R/W	R/C	R/C	Y
LW-10532	(16bit) : device 7 send ACK delay (unit : ms) (SIEMENS S7/400 Link type)	R/W	R/C	R/C	Y
LW-10533	(16bit) : device 7 parameter 1 (SIEMENS S7/400 rack)	R/W	R/C	R/C	Y
LW-10534	(16bit) : device 7 parameter 2 (SIEMENS S7/400 CPU slot)	R/W	R/C	R/C	Y
LW-10535	(16bit) : device 8 timeout (unit : 100ms)	R/W	R/C	R/C	Y
LW-10536	(16bit) : device 8 turn around delay (unit : ms)	R/W	R/C	R/C	Y
LW-10537	(16bit) : device 8 send ACK delay (unit : ms) (SIEMENS S7/400 Link type)	R/W	R/C	R/C	Y
LW-10538	(16bit) : device 8 parameter 1 (SIEMENS S7/400 rack)	R/W	R/C	R/C	Y
LW-10539	(16bit) : device 8 parameter 2 (SIEMENS S7/400 CPU slot)	R/W	R/C	R/C	Y
LW-10655	(16bit) : device 32 timeout (unit : 100ms)	R/W	R/C	R/C	Y
LW-10656	(16bit) : device 32 turn around delay (unit : ms)	R/W	R/C	R/C	Y
LW-10657	(16bit) : device 32 send ACK delay (unit : ms)	R/W	R/C	R/C	Y
LW-10658	(16bit) : device 32 parameter 1	R/W	R/C	R/C	Y
LW-10659	(16bit) : device 32 parameter 2	R/W	R/C	R/C	Y

Note

1. The Baud Rates are: 0:4800, 1:9600, 2:19200, 3:38400, 4:57600, 5:115200, 6:187.5K, 7:1200, 8:2400, 10:14400, 11:28800, 12:76800

22.3.14. Communication Status and Control with Device (COM)

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9150	auto. connection for device 1 (COM 1) (when ON)	R/W	R/C	R/C	Y
LB-9151	auto. connection for device 2 (COM 2) (when ON)	R/W	R/C	R/C	Y
LB-9152	auto. connection for device 3 (COM 3) (when ON)	R/W	R/C	R/C	Y
LB-9200	device 1 status (SN0, COM 1), set on to retry connection.	R/W	R/C	R/C	Y
LB-9201	device 1 status (SN1, COM 1), set on to retry connection	R/W	R/C	R/C	Y
LB-9202	device 1 status (SN2, COM 1), set on to retry connection	R/W	R/C	R/C	Y
LB-9203	device 1 status (SN3, COM 1), set on to retry connection	R/W	R/C	R/C	Y
LB-9204	device 1 status (SN4, COM 1), set on to retry connection	R/W	R/C	R/C	Y
LB-9205	device 1 status (SN5, COM 1), set on to retry connection	R/W	R/C	R/C	Y
LB-9206	device 1 status (SN6, COM 1), set on to retry connection	R/W	R/C	R/C	Y
LB-9207	device 1 status (SN7, COM 1), set on to retry connection	R/W	R/C	R/C	Y
LB-9455	device 1 status (SN255, COM 1), set on to retry connection	R/W	R/C	R/C	Y
LB-9500	device 2 status (SN0, COM 2), set on to retry connection.	R/W	R/C	R/C	Y
LB-9501	device 2 status (SN1, COM 2), set on to retry connection	R/W	R/C	R/C	Y
LB-9502	device 2 status (SN2, COM 2), set on to retry connection	R/W	R/C	R/C	Y
LB-9503	device 2 status (SN3, COM 2), set on to retry connection	R/W	R/C	R/C	Y
LB-9504	device 2 status (SN4, COM 2), set on to retry connection	R/W	R/C	R/C	Y

LB-9505	device 2 status (SN5, COM 2), set on to retry connection	R/W	R/C	R/C	Y
LB-9506	device 2 status (SN6, COM 2), set on to retry connection	R/W	R/C	R/C	Y
LB-9507	device 2 status (SN7, COM 2), set on to retry connection	R/W	R/C	R/C	Y
LB-9755	device 2 status (SN255, COM 2), set on to retry connection	R/W	R/C	R/C	Y
LB-9800	device 3 status (SN0, COM 3), set on to retry connection	R/W	R/C	R/C	Y
LB-9801	device 3 status (SN1, COM 3), set on to retry connection	R/W	R/C	R/C	Y
LB-9802	device 3 status (SN2, COM 3), set on to retry connection	R/W	R/C	R/C	Y
LB-9803	device 3 status (SN3, COM 3), set on to retry connection	R/W	R/C	R/C	Y
LB-9804	device 3 status (SN4, COM 3), set on to retry connection	R/W	R/C	R/C	Y
LB-9805	device 3 status (SN5, COM 3), set on to retry connection	R/W	R/C	R/C	Y
LB-9806	device 3 status (SN6, COM 3), set on to retry connection	R/W	R/C	R/C	Y
LB-9807	device 3 status (SN7, COM 3), set on to retry connection	R/W	R/C	R/C	Y
LB-10055	device 3 status (SN255, COM 3), set on to retry connection	R/W	R/C	R/C	Y
LB-12030	COM 1 status (OFF : normal, ON : open failed) *Note 1	R	R	R	Y
LB-12031	COM 2 status (OFF : normal, ON : open failed)	R	R	R	Y
LB-12032	COM 3 status (OFF : normal, ON : open failed)	R	R	R	Y
LB-12033	COM 4 status (OFF : normal, ON : open failed)	R	R	R	Y
LB-12034	COM 5 status (OFF : normal, ON : open failed)	R	R	R	Y
LB-12035	COM 6 status (OFF : normal, ON : open failed)	R	R	R	Y
LB-12036	COM 7 status (OFF : normal, ON : open failed)	R	R	R	Y
LB-12037	COM 8 status (OFF : normal, ON : open failed)	R	R	R	Y
LB-12038	COM 9 status (OFF : normal, ON : open failed)	R	R	R	Y
LW-9351	(16bit) : pending command no. in device 1	R	R	R	Y

	(COM 1)				
LW-9352	(16bit) : pending command no. in device 2 (COM 2)	R	R	R	Y
LW-9353	(16bit) : pending command no. in device 3 (COM 3)	R	R	R	Y

Note

1. The ON state of COM is for checking if COM is occupied by other program during simulation on PC.

22.3.15. Communication Status and Control with Device (Ethernet)

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9153	auto. connection for device 4 (ethernet) (when ON)	R/W	R/C	R/C	Y
LB-9154	auto. connection for device 5 (ethernet) (when ON)	R/W	R/C	R/C	Y
LB-9155	auto. connection for device 6 (ethernet) (when ON)	R/W	R/C	R/C	Y
LB-9156	auto. connection for device 7 (ethernet) (when ON)	R/W	R/C	R/C	Y
LB-9157	auto. connection for device 8 (ethernet) (when ON)	R/W	R/C	R/C	Y
LB-9158	auto. connection for device 9 (ethernet) (when ON)	R/W	R/C	R/C	Y
LB-9189	auto. connection for device 40 (ethernet) (when ON)	R/W	R/C	R/C	Y
LB-10070	forced to reconnect device 4 (ethernet) when IP or system parameters changed on-line (set ON)	R/W	R/C	R/C	Y
LB-10071	forced to reconnect device 5 (ethernet) when IP or system parameters changed on-line (set ON)	R/W	R/C	R/C	Y
LB-10072	forced to reconnect device 6 (ethernet) when IP or system parameters changed on-line (set ON)	R/W	R/C	R/C	Y
LB-10073	forced to reconnect device 7 (ethernet) when	R/W	R/C	R/C	Y

	IP or system parameters changed on-line (set ON)				
LB-10074	forced to reconnect device 8 (ethernet) when IP or system parameters changed on-line (set ON)	R/W	R/C	R/C	Y
LB-10075	forced to reconnect device 9 (ethernet) when IP or system parameters changed on-line (set ON)	R/W	R/C	R/C	Y
LB-10099	forced to reconnect device 33 (ethernet) when IP or system parameters changed on-line (set ON)	R/W	R/C	R/C	Y
LB-10100	device 4 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10101	device 4 status (SN0, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10102	device 4 status (SN1, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10103	device 4 status (SN2, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10104	device 4 status (SN3, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10105	device 4 status (SN4, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10106	device 4 status (SN5, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10107	device 4 status (SN6, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10108	device 4 status (SN7, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10356	device 4 status (SN255, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10400	device 5 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10401	device 5 status (SN0, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10402	device 5 status (SN1, ethernet), set on to retry connection	R/W	R/C	R/C	Y

LB-10403	device 5 status (SN2, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10404	device 5 status (SN3, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10405	device 5 status (SN4, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10406	device 5 status (SN5, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10407	device 5 status (SN6, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10408	device 5 status (SN7, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10656	device 5 status (SN255, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10700	device 6 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10701	device 6 status (SN0, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10702	device 6 status (SN1, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10703	device 6 status (SN2, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10704	device 6 status (SN3, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10705	device 6 status (SN4, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10706	device 6 status (SN5, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10707	device 6 status (SN6, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10708	device 6 status (SN7, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-10956	device 6 status (SN255, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11000	device 7 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11001	device 7 status (SN0, ethernet), set on to	R/W	R/C	R/C	Y

	retry connection				
LB-11002	device 7 status (SN1, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11003	device 7 status (SN2, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11004	device 7 status (SN3, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11005	device 7 status (SN4, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11006	device 7 status (SN5, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11007	device 7 status (SN6, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11008	device 7 status (SN7, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11256	device 7 status (SN255, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11300	device 8 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11301	device 8 status (SN0, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11302	device 8 status (SN1, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11303	device 8 status (SN2, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11304	device 8 status (SN3, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11305	device 8 status (SN4, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11306	device 8 status (SN5, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11307	device 8 status (SN6, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11308	device 8 status (SN7, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11556	device 8 status (SN255, ethernet), set on to retry connection	R/W	R/C	R/C	Y

LB-11600	device 9 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11601	device 9 status (SN0, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11602	device 9 status (SN1, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11603	device 9 status (SN2, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11604	device 9 status (SN3, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11605	device 9 status (SN4, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11606	device 9 status (SN5, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11607	device 9 status (SN6, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11608	device 9 status (SN7, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11856	device 9 status (SN255, ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11900	device 10 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11901	device 11 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11902	device 12 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11903	device 13 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11904	device 14 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11905	device 15 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11906	device 16 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-11939	device 49 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-12670	auto. connection for device 41 (ethernet)	R/W	R/C	R/C	Y

	(when ON)				
LB-12671	auto. connection for device 42 (ethernet) (when ON)	R/W	R/C	R/C	Y
LB-12672	auto. connection for device 43 (ethernet) (when ON)	R/W	R/C	R/C	Y
LB-12673	auto. connection for device 44 (ethernet) (when ON)	R/W	R/C	R/C	Y
LB-12693	auto. connection for device 64 (ethernet) (when ON)	R/W	R/C	R/C	Y
LB-12700	device 50 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-12701	device 51 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-12702	device 52 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-12703	device 53 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-12714	device 64 status (ethernet), set on to retry connection	R/W	R/C	R/C	Y
LB-12720	forced to reconnect device 34 (ethernet) when IP or system	R/W	R/C	R/C	Y
LB-12721	forced to reconnect device 35 (ethernet) when IP or system	R/W	R/C	R/C	Y
LB-12722	forced to reconnect device 36 (ethernet) when IP or system	R/W	R/C	R/C	Y
LB-12723	forced to reconnect device 37 (ethernet) when IP or system	R/W	R/C	R/C	Y
LB-12750	forced to reconnect device 64 (ethernet) when IP or system	R/W	R/C	R/C	Y
LW-9354	(16bit) : pending command no. in device 4 (ethernet)	R	R	R	Y
LW-9355	(16bit) : pending command no. in device 5 (ethernet)	R	R	R	Y
LW-9356	(16bit) : pending command no. in device 6 (ethernet)	R	R	R	Y
LW-9357	(16bit) : pending command no. in device 7 (ethernet)	R	R	R	Y

LW-9389	(16bit) : pending command no. in device 39 (ethernet)	R	R	R	Y
LW-9600	(16bit) : device 4's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9601	(16bit) : device 4's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9602	(16bit) : device 4's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9603	(16bit) : device 4's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9604	(16bit) : device 4's port no.	R/W	R/C	R/C	Y
LW-9605	(16bit) : device 5's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9606	(16bit) : device 5's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9607	(16bit) : device 5's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9608	(16bit) : device 5's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9609	(16bit) : device 5's port no.	R/W	R/C	R/C	Y
LW-9610	(16bit) : device 6's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9611	(16bit) : device 6's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9612	(16bit) : device 6's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9613	(16bit) : device 6's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9614	(16bit) : device 6's port no.	R/W	R/C	R/C	Y
LW-9615	(16bit) : device 7's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9616	(16bit) : device 7's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9617	(16bit) : device 7's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9618	(16bit) : device 7's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y

LW-9619	(16bit) : device 7's port no.	R/W	R/C	R/C	Y
LW-9620	(16bit) : device 8's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9621	(16bit) : device 8's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9622	(16bit) : device 8's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9623	(16bit) : device 8's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9624	(16bit) : device 8's port no.	R/W	R/C	R/C	Y
LW-9625	(16bit) : device 9's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9626	(16bit) : device 9's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9627	(16bit) : device 9's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9628	(16bit) : device 9's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9629	(16bit) : device 9's port no.	R/W	R/C	R/C	Y
LW-9765	(16bit) : device 37's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9766	(16bit) : device 37's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9767	(16bit) : device 37's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9768	(16bit) : device 37's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9769	(16bit) : device 37's port no.	R/W	R/C	R/C	Y
LW-11472	(16bit) : device 4's ID0 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11473	(16bit) : device 4's ID1 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11474	(16bit) : device 4's ID2 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11475	(16bit) : device 4's ID3 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11476	(16bit) : device 4's ID4 (Beckhoff AMS NetId =	R/W	R/C	R/C	Y

	ID0:ID1:ID2:ID3:ID4:ID5)				
LW-11477	(16bit) : device 4's ID5 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11478	(16bit) : device 5's ID0 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11479	(16bit) : device 5's ID1 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11480	(16bit) : device 5's ID2 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11481	(16bit) : device 5's ID3 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11482	(16bit) : device 5's ID4 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11483	(16bit) : device 5's ID5 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11484	(16bit) : device 6's ID0 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11485	(16bit) : device 6's ID1 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11486	(16bit) : device 6's ID2 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11487	(16bit) : device 6's ID3 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11488	(16bit) : device 6's ID4 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11489	(16bit) : device 6's ID5 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11490	(16bit) : device 7's ID0 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11491	(16bit) : device 7's ID1 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11492	(16bit) : device 7's ID2 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11493	(16bit) : device 7's ID3 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-11494	(16bit) : device 7's ID4 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y

LW-11495	(16bit) : device 7's ID5 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C	Y
LW-12110	(16bit) : device 38's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12111	(16bit) : device 38's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12112	(16bit) : device 38's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12113	(16bit) : device 38's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12114	(16bit) : device 38's port no.	R/W	R/C	R/C	Y
LW-12115	(16bit) : device 39's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12116	(16bit) : device 39's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12117	(16bit) : device 39's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12118	(16bit) : device 39's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12119	(16bit) : device 39's port no.	R/W	R/C	R/C	Y
LW-12120	(16bit) : device 40's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12121	(16bit) : device 40's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12122	(16bit) : device 40's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12123	(16bit) : device 40's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12124	(16bit) : device 40's port no.	R/W	R/C	R/C	Y
LW-12125	(16bit) : device 41's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12126	(16bit) : device 41's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12127	(16bit) : device 41's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12128	(16bit) : device 41's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y

LW-12129	(16bit) : device 41's port no.	R/W	R/C	R/C	Y
LW-12240	(16bit) : device 64's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12241	(16bit) : device 64's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12242	(16bit) : device 64's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12243	(16bit) : device 64's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12244	(16bit) : device 64's port no.	R/W	R/C	R/C	Y

Click the icon to download the demo project. Please confirm your internet connection before downloading the demo project.

22.3.16. Communication Status and Control with Device (USB)

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9190	auto. connection for device (USB) (when ON)	R/W	R/C	R/C	Y
LB-9191	device status (USB), set on to retry connection	R/W	R/C	R/C	Y
LW-9390	(16bit) : pending command no. in device (USB)	R	R	R	Y

22.3.17. Communication Status and Control with Device (CAN Bus)

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-12080	auto. connection for device (CAN Bus) (when ON)	R/W	R/C	R/C	Y
LB-12081	device status (CAN Bus) set on to retry connection	R/W	R/C	R/C	Y
LB-12100	pause CAN Bus device 1 communication (when ON)	R/W	R/C	R/C	Y
LB-12101	pause CAN Bus device 2 communication (when ON)	R/W	R/C	R/C	Y
LB-12102	pause CAN Bus device 3 communication (when ON)	R/W	R/C	R/C	Y
LB-12103	pause CAN Bus device 4 communication (when ON)	R/W	R/C	R/C	Y
LB-12104	pause CAN Bus device 5 communication (when ON)	R/W	R/C	R/C	Y
LB-12105	pause CAN Bus device 6 communication (when ON)	R/W	R/C	R/C	Y
LB-12106	pause CAN Bus device 7 communication (when ON)	R/W	R/C	R/C	Y
LB-12107	pause CAN Bus device 8 communication (when ON)	R/W	R/C	R/C	Y
LB-12108	pause CAN Bus device 9 communication (when ON)	R/W	R/C	R/C	Y
LB-12109	pause CAN Bus device 10 communication (when ON)	R/W	R/C	R/C	Y
LB-12354	pause CAN Bus device 255 communication (when ON)	R/W	R/C	R/C	Y
LW-9392	(16bit) : pending command no. in device (CAN Bus)	R	R	R	Y

22.3.18. Communication Status and Control with Remote HMI

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9068	auto. connection for remote HMI 1 (when ON)	R/W	R/C	R/C	Y
LB-9069	auto. connection for remote HMI 2 (when ON)	R/W	R/C	R/C	Y
LB-9070	auto. connection for remote HMI 3 (when ON)	R/W	R/C	R/C	Y
LB-9071	auto. connection for remote HMI 4 (when ON)	R/W	R/C	R/C	Y
LB-9072	auto. connection for remote HMI 5 (when ON)	R/W	R/C	R/C	Y
LB-9073	auto. connection for remote HMI 6 (when ON)	R/W	R/C	R/C	Y
LB-9074	auto. connection for remote HMI 7 (when ON)	R/W	R/C	R/C	Y
LB-9075	auto. connection for remote HMI 8 (when ON)	R/W	R/C	R/C	Y
LB-9099	auto. connection for remote HMI 32 (when ON)	R/W	R/C	R/C	Y
LB-9100	remote HMI 1 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-9101	remote HMI 2 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-9102	remote HMI 3 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-9103	remote HMI 4 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-9104	remote HMI 5 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-9105	remote HMI 6 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-9106	remote HMI 7 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-9107	remote HMI 8 status (set on to retry connection)	R/W	R/C	R/C	Y

LB-9148	remote HMI 49 status (set on to retry connection)	R/W	R/C	R/C	N/A
LB-9149	forced to reconnect remote HMI when IP changed on-line (set ON)	R/W	R/C	R/C	Y
LB-12754	auto. connection for remote HMI 33 (when ON)	R/W	R/C	R/C	Y
LB-12755	auto. connection for remote HMI 34 (when ON)	R/W	R/C	R/C	Y
LB-12756	auto. connection for remote HMI 35 (when ON)	R/W	R/C	R/C	Y
LB-12757	auto. connection for remote HMI 36 (when ON)	R/W	R/C	R/C	Y
LB-12758	auto. connection for remote HMI 37 (when ON)	R/W	R/C	R/C	Y
LB-12759	auto. connection for remote HMI 38 (when ON)	R/W	R/C	R/C	Y
LB-12760	auto. connection for remote HMI 39 (when ON)	R/W	R/C	R/C	Y
LB-12761	auto. connection for remote HMI 40 (when ON)	R/W	R/C	R/C	Y
LB-12762	auto. connection for remote HMI 41 (when ON)	R/W	R/C	R/C	Y
LB-12763	auto. connection for remote HMI 42 (when ON	R/W	R/C	R/C	Y
LB-12764	auto. connection for remote HMI 43 (when ON)	R/W	R/C	R/C	Y
LB-12765	auto. connection for remote HMI 44 (when ON)	R/W	R/C	R/C	Y
LB-12766	auto. connection for remote HMI 45 (when ON)	R/W	R/C	R/C	Y
LB-12767	auto. connection for remote HMI 46 (when ON)	R/W	R/C	R/C	Y
LB-12768	auto. connection for remote HMI 47 (when ON)	R/W	R/C	R/C	Y
LB-12769	auto. connection for remote HMI 48 (when ON)	R/W	R/C	R/C	Y
LB-12770	auto. connection for remote HMI 49 (when	R/W	R/C	R/C	Y

	ON)				
LB-12771	auto. connection for remote HMI 50 (when ON)	R/W	R/C	R/C	Y
LB-12772	auto. connection for remote HMI 51 (when ON)	R/W	R/C	R/C	Y
LB-12773	auto. connection for remote HMI 52 (when ON)	R/W	R/C	R/C	Y
LB-12774	auto. connection for remote HMI 53 (when ON)	R/W	R/C	R/C	Y
LB-12775	auto. connection for remote HMI 54 (when ON)	R/W	R/C	R/C	Y
LB-12776	auto. connection for remote HMI 55 (when ON)	R/W	R/C	R/C	Y
LB-12777	auto. connection for remote HMI 56 (when ON)	R/W	R/C	R/C	Y
LB-12778	auto. connection for remote HMI 57 (when ON)	R/W	R/C	R/C	Y
LB-12779	auto. connection for remote HMI 58 (when ON)	R/W	R/C	R/C	Y
LB-12780	auto. connection for remote HMI 59 (when ON)	R/W	R/C	R/C	Y
LB-12781	auto. connection for remote HMI 60 (when ON)	R/W	R/C	R/C	Y
LB-12782	auto. connection for remote HMI 61 (when ON)	R/W	R/C	R/C	Y
LB-12783	auto. connection for remote HMI 62 (when ON)	R/W	R/C	R/C	Y
LB-12784	auto. connection for remote HMI 63 (when ON)	R/W	R/C	R/C	Y
LB-12785	auto. connection for remote HMI 64 (when ON)	R/W	R/C	R/C	Y
LB-12786	remote HMI 50 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-12787	remote HMI 51 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-12788	remote HMI 52 status (set on to retry connection)	R/W	R/C	R/C	Y

LB-12789	remote HMI 53 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-12790	remote HMI 54 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-12791	remote HMI 55 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-12792	remote HMI 56 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-12793	remote HMI 57 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-12794	remote HMI 58 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-12795	remote HMI 59 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-12796	remote HMI 60 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-12797	remote HMI 61 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-12798	remote HMI 62 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-12799	remote HMI 63 status (set on to retry connection)	R/W	R/C	R/C	Y
LB-12800	remote HMI 64 status (set on to retry connection)	R/W	R/C	R/C	Y
LW-9800	(16bit) : remote HMI 1's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9801	(16bit) : remote HMI 1's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9802	(16bit) : remote HMI 1's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9803	(16bit) : remote HMI 1's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9804	(16bit) : remote HMI 1's port no.	R/W	R/C	R/C	Y
LW-9805	(16bit) : remote HMI 2's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9806	(16bit) : remote HMI 2's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y

LW-9807	(16bit) : remote HMI 2's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9808	(16bit) : remote HMI 2's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9809	(16bit) : remote HMI 2's port no.	R/W	R/C	R/C	Y
LW-9810	(16bit) : remote HMI 3's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9811	(16bit) : remote HMI 3's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9812	(16bit) : remote HMI 3's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9813	(16bit) : remote HMI 3's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9814	(16bit) : remote HMI 3's port no.	R/W	R/C	R/C	Y
LW-9815	(16bit) : remote HMI 4's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9816	(16bit) : remote HMI 4's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9817	(16bit) : remote HMI 4's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9818	(16bit) : remote HMI 4's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9819	(16bit) : remote HMI 4's port no.	R/W	R/C	R/C	Y
LW-9820	(16bit) : remote HMI 5's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9821	(16bit) : remote HMI 5's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9822	(16bit) : remote HMI 5's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9823	(16bit) : remote HMI 5's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9824	(16bit) : remote HMI 5's port no.	R/W	R/C	R/C	Y
LW-9825	(16bit) : remote HMI 6's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9826	(16bit) : remote HMI 6's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9827	(16bit) : remote HMI 6's IP2 (IP address =	R/W	R/C	R/C	Y

	IP0:IP1:IP2:IP3)				
LW-9828	(16bit) : remote HMI 6's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9829	(16bit) : remote HMI 6's port no.	R/W	R/C	R/C	Y
LW-9830	(16bit) : remote HMI 7's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9831	(16bit) : remote HMI 7's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9832	(16bit) : remote HMI 7's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9833	(16bit) : remote HMI 7's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9834	(16bit) : remote HMI 7's port no.	R/W	R/C	R/C	Y
LW-9835	(16bit) : remote HMI 8's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9836	(16bit) : remote HMI 8's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9837	(16bit) : remote HMI 8's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9838	(16bit) : remote HMI 8's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9839	(16bit) : remote HMI 8's port no.	R/W	R/C	R/C	Y
LW-9895	(16bit) : remote HMI 20's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9896	(16bit) : remote HMI 20's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9897	(16bit) : remote HMI 20's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9898	(16bit) : remote HMI 20's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9899	(16bit) : remote HMI 20's port no.	R/W	R/C	R/C	Y
LW-9905	(16bit) : remote HMI 21’s IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9906	(16bit) : remote HMI 21’s IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9907	(16bit) : remote HMI 21’s IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y

LW-9908	(16bit) : remote HMI 21's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9909	(16bit) : remote HMI 21's port no.	R/W	R/C	R/C	Y
LW-9910	(16bit) : remote HMI 22's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9911	(16bit) : remote HMI 22's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9912	(16bit) : remote HMI 22's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9913	(16bit) : remote HMI 22's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9914	(16bit) : remote HMI 22's port no.	R/W	R/C	R/C	Y
LW-9915	(16bit) : remote HMI 23's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9916	(16bit) : remote HMI 23's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9917	(16bit) : remote HMI 23's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9918	(16bit) : remote HMI 23's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9919	(16bit) : remote HMI 23's port no.	R/W	R/C	R/C	Y
LW-9920	(16bit) : remote HMI 24's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9921	(16bit) : remote HMI 24's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9922	(16bit) : remote HMI 24's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9923	(16bit) : remote HMI 24's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9924	(16bit) : remote HMI 24's port no.	R/W	R/C	R/C	Y
LW-9925	(16bit) : remote HMI 25's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9926	(16bit) : remote HMI 25's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9927	(16bit) : remote HMI 25's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9928	(16bit) : remote HMI 25's IP3 (IP address =	R/W	R/C	R/C	Y

	IP0:IP1:IP2:IP3)				
LW-9929	(16bit) : remote HMI 25's port no.	R/W	R/C	R/C	Y
LW-9930	(16bit) : remote HMI 26's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9931	(16bit) : remote HMI 26's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9932	(16bit) : remote HMI 26's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9933	(16bit) : remote HMI 26's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9934	(16bit) : remote HMI 26's port no.	R/W	R/C	R/C	Y
LW-9935	(16bit) : remote HMI 27's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9936	(16bit) : remote HMI 27's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9937	(16bit) : remote HMI 27's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9938	(16bit) : remote HMI 27's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9939	(16bit) : remote HMI 27's port no.	R/W	R/C	R/C	Y
LW-9940	(16bit) : remote HMI 28's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9941	(16bit) : remote HMI 28's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9942	(16bit) : remote HMI 28's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9943	(16bit) : remote HMI 28's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9944	(16bit) : remote HMI 28's port no.	R/W	R/C	R/C	Y
LW-9945	(16bit) : remote HMI 29's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9946	(16bit) : remote HMI 29's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9947	(16bit) : remote HMI 29's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9948	(16bit) : remote HMI 29's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y

LW-9949	(16bit) : remote HMI 29's port no.	R/W	R/C	R/C	Y
LW-9950	(16bit) : remote HMI 30's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9951	(16bit) : remote HMI 30's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9952	(16bit) : remote HMI 30's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9953	(16bit) : remote HMI 30's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9954	(16bit) : remote HMI 30's port no.	R/W	R/C	R/C	Y
LW-9955	(16bit) : remote HMI 31's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9956	(16bit) : remote HMI 31's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9957	(16bit) : remote HMI 31's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9958	(16bit) : remote HMI 31's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9959	(16bit) : remote HMI 31's port no.	R/W	R/C	R/C	Y
LW-9960	(16bit) : remote HMI 32's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9961	(16bit) : remote HMI 32's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9962	(16bit) : remote HMI 32's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9963	(16bit) : remote HMI 32's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9964	(16bit) : remote HMI 32's port no.	R/W	R/C	R/C	Y
LW-9995	(16bit) : remote HMI 39's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9996	(16bit) : remote HMI 39's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9997	(16bit) : remote HMI 39's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9998	(16bit) : remote HMI 39's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-9999	(16bit) : remote HMI 39's port no.	R/W	R/C	R/C	Y

LW-12506	(16bit) : remote HMI 40's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12507	(16bit) : remote HMI 40's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12508	(16bit) : remote HMI 40's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12509	(16bit) : remote HMI 40's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12510	(16bit) : remote HMI 40's port no.	R/W	R/C	R/C	Y
LW-12511	(16bit) : remote HMI 41's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12512	(16bit) : remote HMI 41's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12513	(16bit) : remote HMI 41's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12514	(16bit) : remote HMI 41's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12515	(16bit) : remote HMI 41's port no.	R/W	R/C	R/C	Y
LW-12516	(16bit) : remote HMI 42's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12517	(16bit) : remote HMI 42's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12518	(16bit) : remote HMI 42's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12519	(16bit) : remote HMI 42's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12520	(16bit) : remote HMI 42's port no.	R/W	R/C	R/C	Y
LW-12521	(16bit) : remote HMI 43's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12522	(16bit) : remote HMI 43's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12523	(16bit) : remote HMI 43's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12524	(16bit) : remote HMI 43's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12525	(16bit) : remote HMI 43's port no.	R/W	R/C	R/C	Y
LW-12526	(16bit) : remote HMI 44's IP0 (IP address =	R/W	R/C	R/C	Y

	IP0:IP1:IP2:IP3)				
LW-12527	(16bit) : remote HMI 44's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12528	(16bit) : remote HMI 44's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12529	(16bit) : remote HMI 44's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12530	(16bit) : remote HMI 44's port no.	R/W	R/C	R/C	Y
LW-12531	(16bit) : remote HMI 45's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12532	(16bit) : remote HMI 45's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12533	(16bit) : remote HMI 45's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12534	(16bit) : remote HMI 45's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12535	(16bit) : remote HMI 45's port no.	R/W	R/C	R/C	Y
LW-12536	(16bit) : remote HMI 46's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12537	(16bit) : remote HMI 46's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12538	(16bit) : remote HMI 46's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12539	(16bit) : remote HMI 46's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12540	(16bit) : remote HMI 46's port no.	R/W	R/C	R/C	Y
LW-12541	(16bit) : remote HMI 47's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12542	(16bit) : remote HMI 47's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12543	(16bit) : remote HMI 47's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12544	(16bit) : remote HMI 47's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12545	(16bit) : remote HMI 47's port no.	R/W	R/C	R/C	Y
LW-12546	(16bit) : remote HMI 48's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y

LW-12547	(16bit) : remote HMI 48's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12548	(16bit) : remote HMI 48's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12549	(16bit) : remote HMI 48's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12550	(16bit) : remote HMI 48's port no.	R/W	R/C	R/C	Y
LW-12551	(16bit) : remote HMI 49's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12552	(16bit) : remote HMI 49's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12553	(16bit) : remote HMI 49's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12554	(16bit) : remote HMI 49's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12555	(16bit) : remote HMI 49's port no.	R/W	R/C	R/C	Y
LW-12556	(16bit) : remote HMI 50's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12557	(16bit) : remote HMI 50's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12558	(16bit) : remote HMI 50's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12559	(16bit) : remote HMI 50's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12560	(16bit) : remote HMI 50's port no.	R/W	R/C	R/C	Y
LW-12561	(16bit) : remote HMI 51's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12562	(16bit) : remote HMI 51's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12563	(16bit) : remote HMI 51's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12564	(16bit) : remote HMI 51's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12565	(16bit) : remote HMI 51's port no.	R/W	R/C	R/C	Y
LW-12566	(16bit) : remote HMI 52's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12567	(16bit) : remote HMI 52's IP1 (IP address =	R/W	R/C	R/C	Y

	IP0:IP1:IP2:IP3)				
LW-12568	(16bit) : remote HMI 52's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12569	(16bit) : remote HMI 52's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12570	(16bit) : remote HMI 52's port no.	R/W	R/C	R/C	Y
LW-12571	(16bit) : remote HMI 53's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12572	(16bit) : remote HMI 53's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12573	(16bit) : remote HMI 53's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12574	(16bit) : remote HMI 53's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12575	(16bit) : remote HMI 53's port no.	R/W	R/C	R/C	Y
LW-12576	(16bit) : remote HMI 54's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12577	(16bit) : remote HMI 54's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12578	(16bit) : remote HMI 54's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12579	(16bit) : remote HMI 54's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12580	(16bit) : remote HMI 54's port no.	R/W	R/C	R/C	Y
LW-12581	(16bit) : remote HMI 55's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12582	(16bit) : remote HMI 55's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12583	(16bit) : remote HMI 55's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12584	(16bit) : remote HMI 55's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12585	(16bit) : remote HMI 55's port no.	R/W	R/C	R/C	Y
LW-12586	(16bit) : remote HMI 56's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12587	(16bit) : remote HMI 56's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y

LW-12588	(16bit) : remote HMI 56's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12589	(16bit) : remote HMI 56's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12590	(16bit) : remote HMI 56's port no.	R/W	R/C	R/C	Y
LW-12591	(16bit) : remote HMI 57's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12592	(16bit) : remote HMI 57's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12593	(16bit) : remote HMI 57's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12594	(16bit) : remote HMI 57's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12595	(16bit) : remote HMI 57's port no.	R/W	R/C	R/C	Y
LW-12596	(16bit) : remote HMI 58's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12597	(16bit) : remote HMI 58's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12598	(16bit) : remote HMI 58's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12599	(16bit) : remote HMI 58's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12600	(16bit) : remote HMI 58's port no.	R/W	R/C	R/C	Y
LW-12601	(16bit) : remote HMI 59's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12602	(16bit) : remote HMI 59's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12603	(16bit) : remote HMI 59's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12604	(16bit) : remote HMI 59's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12605	(16bit) : remote HMI 59's port no.	R/W	R/C	R/C	Y
LW-12606	(16bit) : remote HMI 60's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12607	(16bit) : remote HMI 60's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12608	(16bit) : remote HMI 60's IP2 (IP address =	R/W	R/C	R/C	Y

	IP0:IP1:IP2:IP3)				
LW-12609	(16bit) : remote HMI 60's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12610	(16bit) : remote HMI 60's port no.	R/W	R/C	R/C	Y
LW-12611	(16bit) : remote HMI 61's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12612	(16bit) : remote HMI 61's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12613	(16bit) : remote HMI 61's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12614	(16bit) : remote HMI 61's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12615	(16bit) : remote HMI 61's port no.	R/W	R/C	R/C	Y
LW-12616	(16bit) : remote HMI 62's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12617	(16bit) : remote HMI 62's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12618	(16bit) : remote HMI 62's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12619	(16bit) : remote HMI 62's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12620	(16bit) : remote HMI 62's port no.	R/W	R/C	R/C	Y
LW-12621	(16bit) : remote HMI 63's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12622	(16bit) : remote HMI 63's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12623	(16bit) : remote HMI 63's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12624	(16bit) : remote HMI 63's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12625	(16bit) : remote HMI 63's port no.	R/W	R/C	R/C	Y
LW-12626	(16bit) : remote HMI 64's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12627	(16bit) : remote HMI 64's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12628	(16bit) : remote HMI 64's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y

LW-12629	(16bit) : remote HMI 64's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-12630	(16bit) : remote HMI 64's port no.	R/W	R/C	R/C	Y

22.3.19. Communication Status and Control with Remote Device

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LW-10050	(16bit) : IP0 of the HMI connecting to remote device 1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10051	(16bit) : IP1 of the HMI connecting to remote device 1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10052	(16bit) : IP2 of the HMI connecting to remote device 1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10053	(16bit) : IP3 of the HMI connecting to remote device 1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10054	(16bit) : port no. of the HMI connecting to remote device 1	R/W	R/C	R/C	N
LW-10055	(16bit) : IP0 of the HMI connecting to remote device 2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10056	(16bit) : IP1 of the HMI connecting to remote device 2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10057	(16bit) : IP2 of the HMI connecting to remote device 2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10058	(16bit) : IP3 of the HMI connecting to remote device 2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10059	(16bit) : port no. of the HMI connecting to remote device 2	R/W	R/C	R/C	N
LW-10060	(16bit) : IP0 of the HMI connecting to remote device 3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10061	(16bit) : IP1 of the HMI connecting to remote device 3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10062	(16bit) : IP2 of the HMI connecting to remote device 3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10063	(16bit) : IP3 of the HMI connecting to remote device 3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10064	(16bit) : port no. of the HMI connecting to	R/W	R/C	R/C	N

	remote device 3				
LW-10065	(16bit) : IP0 of the HMI connecting to remote device 4 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10066	(16bit) : IP1 of the HMI connecting to remote device 4 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10067	(16bit) : IP2 of the HMI connecting to remote device 4 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10068	(16bit) : IP3 of the HMI connecting to remote device 4 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10069	(16bit) : port no. of the HMI connecting to remote device 4	R/W	R/C	R/C	N
LW-10205	(16bit) : IP0 of the HMI connecting to remote device 32 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10206	(16bit) : IP1 of the HMI connecting to remote device 32 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10207	(16bit) : IP2 of the HMI connecting to remote device 32 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10208	(16bit) : IP3 of the HMI connecting to remote device 32 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10209	(16bit) : port no. of the HMI connecting to remote device 32	R/W	R/C	R/C	N
LW-10300	(16bit) : remote device 1's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10301	(16bit) : remote device 1's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10302	(16bit) : remote device 1's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10303	(16bit) : remote device 1's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10304	(16bit) : remote device 1's port no.	R/W	R/C	R/C	N
LW-10305	(16bit) : remote device 2's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10306	(16bit) : remote device 2's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10307	(16bit) : remote device 2's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10308	(16bit) : remote device 2's IP3 (IP address =	R/W	R/C	R/C	N

	IP0:IP1:IP2:IP3)				
LW-10309	(16bit) : remote device 2's port no.	R/W	R/C	R/C	N
LW-10310	(16bit) : remote device 3's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10311	(16bit) : remote device 3's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10312	(16bit) : remote device 3's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10313	(16bit) : remote device 3's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10314	(16bit) : remote device 3's port no.	R/W	R/C	R/C	N
LW-10315	(16bit) : remote device 4's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10316	(16bit) : remote device 4's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10317	(16bit) : remote device 4's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10318	(16bit) : remote device 4's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10319	(16bit) : remote device 4's port no.	R/W	R/C	R/C	N
LW-10455	(16bit) : remote device 32's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10456	(16bit) : remote device 32's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10457	(16bit) : remote device 32's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10458	(16bit) : remote device 32's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-10459	(16bit) : remote device 32's port no.	R/W	R/C	R/C	N

22.3.20. Local/Remote Operation Restrictions

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9044	disable remote control (when ON)	R/W	R/C	R/C	Y
LB-9053	prohibit password remote-read operation (when ON)	R/W	R/C	R/C	Y

LB-9054	prohibit password remote-write operation (when ON)	R/W	R/C	R/C	Y
LB-9196	local HMI supports monitor function only (when ON)	R/W	R/C	R/C	Y
LB-9197	support monitor function only for remote HMIs (when ON)	R/W	R/C	R/C	Y
LB-9198	disable local HMI to trigger a MACRO (when ON)	R/W	R/C	R/C	Y
LB-9199	disable remote HMI to trigger a MACRO (when ON)	R/W	R/C	R/C	Y

22.3.21. Communication Error Codes

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LW-9400	(16bit) : error code for device 1	R	R	R	Y
LW-9401	(16bit) : error code for device 2	R	R	R	Y
LW-9402	(16bit) : error code for device 3	R	R	R	Y
LW-9403	(16bit) : error code for device 4	R	R	R	Y
LW-9404	(16bit) : error code for device 5	R	R	R	Y
LW-9405	(16bit) : error code for device 6	R	R	R	Y
LW-9406	(16bit) : error code for device 7	R	R	R	Y
LW-9407	(16bit) : error code for device 8	R	R	R	Y
LW-9449	(16bit) : error code for device 50	R	R	R	Y
LW-9490	(16bit) : error code for USB device	R	R	R	Y
LW-9491	(16bit) : error code for CAN-Bus device	R	R	R	Y

Note

1. A list of the explanation of device communication error codes:

Error Code	Cause of Communication Error
0	Normal
1	The device is busy and not yet ready to process a command.
2	Communication error due to unexpected reason.
3	The device does not exist.
4	The device using the specified station number does not exist.
5	Incorrect address format.
6	Read/Write unsupported address.
7	The driver of the device does not exist.
8	The COM port does not exist.
9	Incorrect IP address or unable to connect the device.
10	Checksum error.
11	Unidentified command.
12	Ignore
20	The USB device is improperly connected.
21	The CAN Bus device is improperly connected.
22	No reply from the device.
23	Insufficient data read from the device before timeout.
24	The Conversion Tag used by the object does not exist or the content is incorrect.
25	HMI is not accepting any commands from a remote HMI.
251	Read/Write exceeding number of words from/to the register of the MODBUS device.
252	MODBUS device replies incorrect data format.
253	MODBUS device checksum error.

22.3.22. Driver ID

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LW-9300	(16bit) : driver ID of local device 1	R	R	R	Y
LW-9301	(16bit) : driver ID of local device 2	R	R	R	Y
LW-9302	(16bit) : driver ID of local device 3	R	R	R	Y
LW-9303	(16bit) : driver ID of local device 4	R	R	R	Y
LW-9331	(16bit) : driver ID of local device 32	R	R	R	Y

22.3.23. DLT645 Controller

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LW-10700	(4 words) : DLT_645 operator (COM 1)	R/W	R/C	R/C	Y
LW-10704	(4 words) : DLT_645 password (COM 1)	R/W	R/C	R/C	Y
LW-10708	(6 words) : DLT_645 address (COM 1)	R/W	R/C	R/C	Y
LW-10715	(4 words) : DLT_645 operator (COM 2)	R/W	R/C	R/C	Y
LW-10719	(4 words) : DLT_645 password (COM 2)	R/W	R/C	R/C	Y
LW-10723	(6 words) : DLT_645 address (COM 2)	R/W	R/C	R/C	Y
LW-10730	(4 words) : DLT_645 operator (COM 3)	R/W	R/C	R/C	Y
LW-10734	(4 words) : DLT_645 password (COM 3)	R/W	R/C	R/C	Y
LW-10738	(6 words) : DLT_645 address (COM 3)	R/W	R/C	R/C	Y

22.3.24. [Device No Response] Window Control

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9192	disable USB device's "Device No Response" dialog (when ON)	R/W	R/C	R/C	Y
LB-11960	disable device 1's "Device No Response" dialog (when ON)	R/W	R/C	R/C	Y
LB-11961	disable device 2's "Device No Response" dialog (when ON)	R/W	R/C	R/C	Y
LB-11962	disable device 3's "Device No Response" dialog (when ON)	R/W	R/C	R/C	Y
LB-11963	disable device 4's "Device No Response" dialog (when ON)	R/W	R/C	R/C	Y
LB-11964	disable device 5's "Device No Response" dialog (when ON)	R/W	R/C	R/C	Y
LB-11965	disable device 6's "Device No Response"	R/W	R/C	R/C	Y

	dialog (when ON)				
LB-11966	disable device 7's "Device No Response" dialog (when ON)	R/W	R/C	R/C	Y
LB-11967	disable device 8's "Device No Response" dialog (when ON)	R/W	R/C	R/C	Y
LB-12023	disable device 64's "Device No Response" dialog (when ON)	R/W	R/C	R/C	Y
LB-12082	disable CAN Bus device's "Device No Response" dialog (when ON)	R/W	R/C	R/C	Y

22.3.25. [Fast Selection] Window Control

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9013	hide (set ON)/show (set OFF) FS window	R/W	R/C	R/C	N
LB-9014	hide (set ON)/show (set OFF) FS button	R/W	R/C	R/C	N
LB-9015	hide (set ON)/show (set OFF) FS window/button	R/W	R/C	R/C	N

22.3.26. EasyAccess

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9051	disconnect (set OFF)/connect (set ON) EasyAccess server	R/W	R/C	R/C	N
LB-9052	status of connecting to EasyAccess server	R	R	R	N

For more information about EasyAccess, please visit http://www.ihmi.net/.

Click the icon to download the demo project. Please confirm your internet connection.

22.3.27. EasyAccess 2.0

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LW-10820	(16bit) : disable (set 0)/enable (set 1) (EasyAccess 2.0)	R/W	R/C	R/C	Y
LW-10821	(5 words) : session ID (EasyAccess 2.0)	R	R	R	Y
LW-10826	(2 words) : password (EasyAccess 2.0)	R	R	R	Y
LW-10828	(16bit) : execution status (EasyAccess 2.0)	R	R	R	Y
LW-10829	(16bit) : the last error code (EasyAccess	R	R	R	Y

	2.0)				
LW-11170	(16bit) : Proxy Disable/Enable (0:disable, 1:enable) (EasyAccess 2.0)	R/W	R/C	R/C	Y
LW-11171	(16bit) : Proxy Type (0:HTTP, 1:SOCKSv4, 2:SOCKSv5) (EasyAccess 2.0)	R/W	R/C	R/C	Y
LW-11172	(16bit) : Proxy Server IP0 (EasyAccess 2.0)	R/W	R/C	R/C	Y
LW-11173	(16bit) : Proxy Server IP1 (EasyAccess 2.0)	R/W	R/C	R/C	Y
LW-11174	(16bit) : Proxy Server IP2 (EasyAccess 2.0)	R/W	R/C	R/C	Y
LW-11175	(16bit) : Proxy Server IP3 (EasyAccess 2.0)	R/W	R/C	R/C	Y
LW-11176	(16bit) : Proxy Server Port (EasyAccess 2.0)	R/W	R/C	R/C	Y
LW-11177	(16bit) : Proxy authentication (0:disable, 1:enable) (EasyAccess 2.0)	R/W	R/C	R/C	Y
LW-11178	(16 words) : Proxy username (EasyAccess 2.0)	R/W	R/C	R/C	Y
LW-11194	(16 words) : Proxy password (EasyAccess 2.0)	R/W	R/C	R/C	Y
LW-11210	(20 words) : Hardware key (EasyAccess 2.0)	R	R	R	Y
LW-11296	(16bit) : Location of EasyAccess 2.0 server (0 : Global, 1 : China)	R	R	R	Y
LW-11770	(64 words) : QR code (URL) for WeChat push notification (EasyAccess 2.0)	R	R	R	Y
LW-11982	(16 words) : HMI domain (EasyAccess 2.0)	R	R	R	Y
LW-12773	(16 words) : Number of connected user (EasyAccess 2.0)	R	R	R	Y
LW-12774	(16 words) : Connected user 1 (EasyAccess 2.0)	R	R	R	Y
LW-12790	(16 words) : Connected user 2 (EasyAccess 2.0)	R	R	R	Y
LW-12806	(16 words) : Connected user 3 (EasyAccess 2.0)	R	R	R	Y

22.3.28. Remote Print/Backup Server

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-10069	forced to reconnect remote printer/backup server when IP changed on-line (set ON)	R/W	R/C	R/C	N
LB-12040	remote printer/backup server disconnection alarm (when ON)	R	R	R	N
LW-9770	(16bit) : remote printer/backup server IP0 (IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N

LW-9771	(16bit) : remote printer/backup server IP1 (IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-9772	(16bit) : remote printer/backup server IP2 (IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-9773	(16bit) : remote printer/backup server IP3 (IP0:IP1:IP2:IP3)	R/W	R/C	R/C	N
LW-9774	(6 words) : remote printer/backup server user name *Note 1	R/W	R/C	R/C	N
LW-9780	(6 words) : remote printer/backup server password *Note 1	R/W	R/C	R/C	N

Note

1. When change settings using LW-9774 and LW-9780, please reboot HMI for the new settings to take effect.

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22.3.29. Pass-Through Settings

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LW-9901	(16bit) : pass-through source COM port (1~3 : COM 1~COM 3)	R/W	R/C	R/C	Y
LW-9902	(16bit) : pass-through destination COM port (1~3 : COM 1~COM 3)	R/W	R/C	R/C	Y
LW-9903	(16bit) : pass-through control (0 : normal, 1 : pause, 2 : stop communications between HMI and device when executing pass-through)	R/W	R/C	R/C	Y
LW-9904	(16bit) : pass-through server port no. (2000~2100)	R/W	R/C	R/C	Y
LW-10850	(16bit) : disable/enable (0 : disable, 1 : normal, 2 : IP limited) (siemens pass-through)	R/W	R/C	R/C	Y
LW-10851	(16bit) : destination COM port (siemens pass-through)	R/W	R/C	R/C	Y

LW-10852	(16bit) : destination PLC station no. (siemens pass-through)	R/W	R/C	R/C	Y
LW-10853	(16bit) : communication protocol (0 : invalid, 1 : PPI, 2 : MPI) (siemens pass-through)	R/W	R/C	R/C	Y
LW-10854	(16bit) : IP0 of connecting client (IP address = IP0:IP1:IP2:IP3) (siemens pass-through)	R/W	R/C	R/C	Y
LW-10855	(16bit) : IP1 of connecting client (IP address = IP0:IP1:IP2:IP3) (siemens pass-through)	R/W	R/C	R/C	Y
LW-10856	(16bit) : IP2 of connecting client (IP address = IP0:IP1:IP2:IP3) (siemens pass-through)	R/W	R/C	R/C	Y
LW-10857	(16bit) : IP3 of connecting client (IP address = IP0:IP1:IP2:IP3) (siemens pass-through)	R/W	R/C	R/C	Y
LW-10858	(16bit) : IP0 of designated client (IP address = IP0:IP1:IP2:IP3) (siemens pass-through)	R/W	R/C	R/C	Y
LW-10859	(16bit) : IP1 of designated client (IP address = IP0:IP1:IP2:IP3) (siemens pass-through)	R/W	R/C	R/C	Y
LW-10860	(16bit) : IP2 of designated client (IP address = IP0:IP1:IP2:IP3) (siemens pass-through)	R/W	R/C	R/C	Y
LW-10861	(16bit) : IP3 of designated client (IP address = IP0:IP1:IP2:IP3) (siemens pass-through)	R/W	R/C	R/C	Y
LW-10862	(16bit) : connection status (0 : ready, 1 : client connecting) (siemens pass-through)	R	R	R	Y
LW-10863	(16bit) : execution status (0 : normal, 1 : error) (siemens pass-through)	R	R	R	Y
LW-10864	(16bit) : the last error (siemens pass-through)	R	R	R	Y


For more information about Siemens pass-through feature, see “29 Pass-through”.

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22.3.30. VNC Control

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-12088	enable VNC monitor mode (when ON) *Note 1	R/W	R/C	R/C	Y
LB-12089	VNC pass word free (when ON) *Note 1	R/W	R/C	R/C	Y
LB-12090	a VNC client connecting to HMI (when ON)(OS version 20120621 or later supports only)	R	R	R	Y
LB-12091	disable auto-logout function when a VNC client connecting to HMI (when ON)(OS version 20120621 or later supports only)	R/W	R/C	R/C	Y
LB-12092	enable VNC (set ON), disable VNC (set OFF)	R/W	R/C	R/C	Y
LB-12093	VNC connection mode (OFF: single connection, ON: multi connection) (OS version 2013.05.09 or later support)*Note1	R/W	R/C	R/C	Y
LW-9530	(4 words) : VNC server password	R/W	R/C	R/C	Y

Note

1. On eMT, iE, XE, mTV, iP models, to change VNC mode, use LB-12092 to stop and then restart VNC to update the setting.

22.3.31. Project Key and HMI Key

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9046	project key is different from HMI key (when ON)	R	R	R	Y
LW-9046	(32bit) : HMI key *Note 1	R/W	R/C	R	Y

Note

1. When change HMI Key using LW-9046, please reboot HMI for the new settings to take effect.

Click the icon to download the demo project. Please confirm your internet connection.

22.3.32. USB Security Key

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LW-11160	(16bit) : start time of USB security key - year	R	R	R	Y
LW-11161	(16bit) : start time of USB security key - month	R	R	R	Y
LW-11162	(16bit) : start time of USB security key - day	R	R	R	Y
LW-11163	(16bit) : start time of USB security key - hour	R	R	R	Y
LW-11164	(16bit) : start time of USB security key - minute	R	R	R	Y
LW-11165	(16bit) : expiration time of USB security key - year	R	R	R	Y
LW-11166	(16bit) : expiration time of USB security key - month	R	R	R	Y
LW-11167	(16bit) : expiration time of USB security key - day	R	R	R	Y
LW-11168	(16bit) : expiration time of USB security key - hour	R	R	R	Y
LW-11169	(16bit) : expiration time of USB security key - minute	R	R	R	Y

22.3.33. User Name and Password

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9050	user logout *Note 2	W	C	C	N
LB-9060	password error *Note 2	R	R	R	N
LB-9061	update password (set ON) *Note 2	W	C	C	N
LB-12056	the user touches an unauthorized object (when ON)	R	R	R	Y
PLB-12056	the user touches an unauthorized object (when ON) (on tablet)	R	N/A	N/A	Y
LW-9082	(16bit) : auto logout time (unit : minute, 0 : disable the function)	R/W	R/C	R/C	Y
LW-9219	(16bit) : user no. (1~12) *Note 2	R/W	R/C	R/C	N
LW-9220	(32bit) : password *Note 2	R/W	R/C	R/C	N
LW-9222	(16bit) : object classes can be operated for	R	R	R	Y

	current user (bit 0:A, bit 1:B,bit 2:C, ...)				
PLW-9222	(16bit) : object classes (on tablet) can be operated for current user (bit 0:A, bit 1:B,bit 2:C, ...)	R	N/A	N/A	Y
LW-9500	(32bit) : user 1's password *Note 2	R/W	R/C	R/C	N
LW-9502	(32bit) : user 2's password *Note 2	R/W	R/C	R/C	N
LW-9504	(32bit) : user 3's password *Note 2	R/W	R/C	R/C	N
LW-9506	(32bit) : user 4's password *Note 2	R/W	R/C	R/C	N
LW-9508	(32bit) : user 5's password *Note 2	R/W	R/C	R/C	N
LW-9510	(32bit) : user 6's password *Note 2	R/W	R/C	R/C	N
LW-9512	(32bit) : user 7's password *Note 2	R/W	R/C	R/C	N
LW-9514	(32bit) : user 8's password *Note 2	R/W	R/C	R/C	N
LW-9516	(32bit) : user 9's password *Note 2	R/W	R/C	R/C	N
LW-9518	(32bit) : user 10's password *Note 2	R/W	R/C	R/C	N
LW-9520	(32bit) : user 11's password *Note 2	R/W	R/C	R/C	N
LW-9522	(32bit) : user 12's password *Note 2	R/W	R/C	R/C	N
LW-10754	(8 words) : current user name *Note 1	R	R	R	Y
PLW-10754	(8 words) : current user name (on tablet) *Note 1	R	N/A	N/A	Y

Note

1. Only for [Security] » [Enhanced security mode].
2. Only for [Security] » [General mode].

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22.3.34. Macro

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9059	disable macro TRACE function (when ON) *Note1	R/W	R/C	R/C	Y
LW-10900	(16bit) : macro 0 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R	Y
LW-10901	(16bit) : macro 1 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed	R	R	R	Y

	array size))				
LW-10902	(16bit) : macro 2 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R	Y
LW-10903	(16bit) : macro 3 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R	Y
LW-10904	(16bit) : macro 4 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R	Y
LW-10905	(16bit) : macro 5 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R	Y
LW-10906	(16bit) : macro 6 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R	Y
LW-10907	(16bit) : macro 7 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R	Y
LW-10908	(16bit) : macro 8 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R	Y
LW-10909	(16bit) : macro 9 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R	Y
LW-11154	(16bit) : macro 254 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R	Y
LW-12247	(16bit): macro 255 status (0: ready, 3: executing, 5: waiting response, 9: waiting sync, 17: delay, 32: abnormal end (exceed array size))	R	R	R	Y
LW-12248	(16bit): macro 256 status (0: ready, 3: executing, 5: waiting response, 9: waiting sync, 17: delay, 32: abnormal end (exceed array size))	R	R	R	Y

LW-12249	(16bit): macro 257 status (0: ready, 3: executing, 5: waiting response, 9: waiting sync, 17: delay, 32: abnormal end (exceed array size))	R	R	R	Y
LW-12250	(16bit): macro 258 status (0: ready, 3: executing, 5: waiting response, 9: waiting sync, 17: delay, 32: abnormal end (exceed array size))	R	R	R	Y
LW-12251	(16bit): macro 259 status (0: ready, 3: executing, 5: waiting response, 9: waiting sync, 17: delay, 32: abnormal end (exceed array size))	R	R	R	Y
LW-12252	(16bit): macro 260 status (0: ready, 3: executing, 5: waiting response, 9: waiting sync, 17: delay, 32: abnormal end (exceed array size))	R	R	R	Y
LW-12253	(16bit): macro 261 status (0: ready, 3: executing, 5: waiting response, 9: waiting sync, 17: delay, 32: abnormal end (exceed array size))	R	R	R	Y
LW-12254	(16bit): macro 262 status (0: ready, 3: executing, 5: waiting response, 9: waiting sync, 17: delay, 32: abnormal end (exceed array size))	R	R	R	Y
LW-12255	(16bit): macro 263 status (0: ready, 3: executing, 5: waiting response, 9: waiting sync, 17: delay, 32: abnormal end (exceed array size))	R	R	R	Y
LW-12256	(16bit): macro 264 status (0: ready, 3: executing, 5: waiting response, 9: waiting sync, 17: delay, 32: abnormal end (exceed array size))	R	R	R	Y
LW-12491	(16bit): macro 499 status (0: ready, 3: executing, 5: waiting response, 9: waiting sync, 17: delay, 32: abnormal end (exceed array size))	R	R	R	Y

Note

1. LB-9059: Disable macro trace function.

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22.3.35. Input Object Function

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LW-9002	(32bit-float) : input high limit	R	R	R	Y
LW-9004	(32bit-float) : input low limit	R	R	R	Y
LW-9052	(32bit-float) : the previous input value of the numeric input object	R	R	R	Y
PLW-9052	(32bit-float) : the previous input value of the numeric input object	R	N/A	N/A	Y
LW-9150	(32 words) : keyboard's input data (ASCII)	R	R	R	Y
LW-9540	(16bit) : reserved for caps lock	R/W	R/C	R/C	Y

22.3.36. Time Sync./Daylight Saving Time

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-12055	failed to execute time synchronization (when ON)	R	R	R	Y
LB-12355	daylight saving time period (when ON)	R	R	R	Y
LW-11260	(16bit) : enable/disable the daylight saving time (DST) (0:disable, 1:enable)	R/W	R/C	R/C	Y
LW-11261	(16bit) : hour of the DST bias	R/W	R/C	R/C	Y
LW-11262	(16bit) : minute of the DST bias	R/W	R/C	R/C	Y
LW-11263	(16bit) : month of the year when DST starts	R/W	R/C	R/C	Y
LW-11264	(16bit) : week of the month when DST starts (1~5)	R/W	R/C	R/C	Y
LW-11265	(16bit) : day of the week when DST starts (0~6)	R/W	R/C	R/C	Y
LW-11266	(16bit) : hour of local time when DST starts	R/W	R/C	R/C	Y
LW-11267	(16bit) : minute of local time when DST starts	R/W	R/C	R/C	Y
LW-11268	(16bit) : month of the year when DST ends	R/W	R/C	R/C	Y
LW-11269	(16bit) : week of the month when DST ends (1~5)	R/W	R/C	R/C	Y
LW-11270	(16bit) : day of the week when DST ends (0~6)	R/W	R/C	R/C	Y
LW-11271	(16bit) : hour of local time when DST ends	R/W	R/C	R/C	Y
LW-11272	(16bit) : minute of local time when DST ends	R/W	R/C	R/C	Y

LW-11273	(16bit) : enable/disable time synchronization via NTP (Network Time Protocol) server (0:disable, 1:enable)	R/W	R/C	R/C	Y
LW-11274	(16bit) : execute time synchronization when HMI starts (0:disable, 1:enable)	R/W	R/C	R/C	Y
LW-11275	(16bit) : server response time has been adjusted in accordance with DST (0:disable, 1:enable)	R/W	R/C	R/C	Y
LW-11276	(16bit) : HMI time zone (unit : minute)	R/W	R/C	R/C	Y
LW-11277	(16bit) : server response time (server time zone) (unit : minute)	R/W	R/C	R/C	Y
LW-11278	(16bit) : IP 0 of network time server 1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-11279	(16bit) : IP 1 of network time server 1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-11280	(16bit) : IP 2 of network time server 1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-11281	(16bit) : IP 3 of network time server 1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-11282	(16bit) : IP 0 of network time server 2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-11283	(16bit) : IP 1 of network time server 2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-11284	(16bit) : IP 2 of network time server 2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-11285	(16bit) : IP 3 of network time server 2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-11286	(16bit) : IP 0 of network time server 3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-11287	(16bit) : IP 1 of network time server 3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-11288	(16bit) : IP 2 of network time server 3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-11289	(16bit) : IP 3 of network time server 3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-11290	(16bit) : IP 0 of network time server 4 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y

LW-11291	(16bit) : IP 1 of network time server 4 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-11292	(16bit) : IP 2 of network time server 4 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-11293	(16bit) : IP 3 of network time server 4 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C	Y
LW-11294	(32bit) : update interval (time synchronization interval) (10 ~ 86400, unit : second)	R/W	R/C	R/C	Y

22.3.37. Cellular Data Network

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LW-11297	(16 words) : PIN code of SIM card (cellular network)	R/W	R/C	R/C	Y
LW-11313	(16 words) : Access Point Name (cellular network)	R/W	R/C	R/C	Y
LW-11329	(16 words) : username (cellular network)	R/W	R/C	R/C	Y
LW-11345	(16 words) : password (cellular network)	R/W	R/C	R/C	Y
LW-11361	(16 words) : dial number (cellular network)	R/W	R/C	R/C	Y
LW-11377	(16bit) : stop (set 0)/start (set 1) connection (cellular network)	R/W	R/C	R/C	Y
LW-11378	(16bit) : last error code (0:success, 1:incorrect PIN code, 2:no SIM, 3:no device, 4:puk locked, 5:other) (cellular network)	R	R	R	Y
LW-11379	(16bit) : connection status (0:no device, 1:disconnect, 2:connecting, 3:connected) (cellular network)	R	R	R	Y
LW-11380	(16bit) : stop (set 0)/start (set 1) connection (USB tethering)	R/W	R/C	R/C	Y
LW-11381	(16bit) : connection status (0:no device, 1:disconnect, 2:connected, 3:fail, 4:OS not support, 5:HMI not support) (USB tethering)	R	R	R	Y
LW-12631	(16bit) : signal strength (dBm) (0: failed, others: signal strength) (cellular network)	R	R	R	Y
LW-12632	(8 words) : IMEI (cellular network)	R	R	R	Y
LW-12640	(10 words) : ICCID code of SIM card (cellular	R	R	R	Y

	network)				

22.3.38. WiFi Setting

System registers listed in this section are available exclusively for HMI models that support WiFi only, e.g. MT8103iE, cMT3103, cMT-SVR-200…etc.

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-12365	update wifi setting (IP, netmask, gateway, DNS) (set ON)	R/W	R/C	R/C	Y
LB-12666	disable(set OFF)/enable(set ON) WiFi Hotspot	R/W	R/C	R/C	Y
LB-12667	refresh WiFi Hotspot setting (SSID, password) (set ON)	R/W	R/C	R/C	Y
LB-12820	M02 status (0: unplugged, 1: plugged in)	R	R	R	Y
LW-11383	(16bit) : WiFi control (1: disconnect, 2: connect, 3: popup setting dialog, 4: connect by SSID)	R/W	R/C	R/C	Y
LW-11384	(16bit) : WiFi error code (0: no error, 1: no such device, 2. radio is off, 3: parameter is invalid)	R	R	R	Y
LW-11385	(16bit) : WiFi status (0: stopped; 1: connecting; 2: connected)	R	R	R	Y
LW-11386	(16 words) : WiFi connected SSID	R	R	R	Y
LW-11402	(16bit) : WiFi signal level (0: none, 1: weak, 2: fair, 3: good, 4: excellent) *Note2	R	R	R	Y
LW-11403	(16bit) : WiFi country code *Note1	R/W	R/C	R/C	Y
LW-11404	(16bit) : WiFi radio (0: Off, 1: On)	R/W	R/C	R/C	Y
LW-11405	(16bit) : WiFi signal strength (dBm) (0, 1, 2: failed, others: signal strength)	R	R	R	Y
LW-11410	(16bit) : HMI WiFi IP 0 (for HMI use only)	R/W	R/C	R/C	Y
LW-11411	(16bit) : HMI WiFi IP 1 (for HMI use only)	R/W	R/C	R/C	Y
LW-11412	(16bit) : HMI WiFi IP 2 (for HMI use only)	R/W	R/C	R/C	Y
LW-11413	(16bit) : HMI WiFi IP 3 (for HMI use only)	R/W	R/C	R/C	Y
LW-11414	(16bit) : HMI WiFi netmask 0 (for HMI use only)	R/W	R/C	R/C	Y
LW-11415	(16bit) : HMI WiFi netmask 1 (for HMI use only)	R/W	R/C	R/C	Y

LW-11416	(16bit) : HMI WiFi netmask 2 (for HMI use only)	R/W	R/C	R/C	Y
LW-11417	(16bit) : HMI WiFi netmask 3 (for HMI use only)	R/W	R/C	R/C	Y
LW-11418	(16bit) : HMI WiFi gateway 0 (for HMI use only)	R/W	R/C	R/C	Y
LW-11419	(16bit) : HMI WiFi gateway 1 (for HMI use only)	R/W	R/C	R/C	Y
LW-11420	(16bit) : HMI WiFi gateway 2 (for HMI use only)	R/W	R/C	R/C	Y
LW-11421	(16bit) : HMI WiFi gateway 3 (for HMI use only)	R/W	R/C	R/C	Y
LW-11422	(16bit) : HMI WiFi media access control (MAC) address 0	R	R	R	Y
LW-11423	(16bit) : HMI WiFi media access control (MAC) address 1	R	R	R	Y
LW-11424	(16bit) : HMI WiFi media access control (MAC) address 2	R	R	R	Y
LW-11425	(16bit) : HMI WiFi media access control (MAC) address 3	R	R	R	Y
LW-11426	(16bit) : HMI WiFi media access control (MAC) address 4	R	R	R	Y
LW-11427	(16bit) : HMI WiFi media access control (MAC) address 5	R	R	R	Y
LW-11428	(16bit) : HMI WiFi domain name system (DNS) server IP 0	R/W	R/C	R/C	Y
LW-11429	(16bit) : HMI WiFi domain name system (DNS) server IP 1	R/W	R/C	R/C	Y
LW-11430	(16bit) : HMI WiFi domain name system (DNS) server IP 2	R/W	R/C	R/C	Y
LW-11431	(16bit) : HMI WiFi domain name system (DNS) server IP 3	R/W	R/C	R/C	Y
LW-11432	(16bit) : obtain an WiFi IP address automatically (DHCP => 0 : off, 1 : on)	R/W	R/C	R/C	Y
LW-12006	(16 words) : WiFi Hotspot SSID (enable to apply)	R/W	R/C	R/C	Y
LW-12022	(32 words) : WiFi Hotspot password (enable	R/W	R/C	R/C	Y

	to apply)				
LW-12703	(16 words : WiFi SSID to connect	R/W	R/C	R/C	Y
LW-12719	(32 words) : WiFi password to use	R/W	R/C	R/C	Y
LW-12751	(16bit) : WiFi security mode to use (0: WPA/WPA2, 1: WEP, 2: NONE)	R/W	R/C	R/C	Y
LW-12768	(16bit) : WiFi Hotspot security mode (0: NONE, 1: WPA-MIX-PSK)	R/W	R/C	R/C	Y
LW-12769	(16bit) : WiFi Hotspot server address IP0	R	R	R	Y
LW-12770	(16bit) : WiFi Hotspot server address IP1	R	R	R	Y
LW-12771	(16bit) : WiFi Hotspot server address IP2	R/W	R/C	R/C	Y
LW-12772	(16bit) : WiFi Hotspot server address IP3	R	R	R	Y

Note

1. Please enter WiFi country code in ASCII for uppercase letters, the setting will take effect after rebooting HMI. Wireless regulations vary from country to country. The country code selection affects the list of channels of the wireless radio.
2. The signal strength is classified into four levels: 1. Weak (<-70 dBm), 2. Fair (-60 ~ -70 dBm), 3. Good (-50 ~ -60 dBm), 4. Excellent (>-50 dBm)

22.3.39. OPC UA Server

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LW-11435	(16bit) : OPC UA Server status (0: Stopped, 1: Started)	R	R	R	Y
LW-11436	(16bit) : OPC UA Server error code (0: Success, 1 or more: Error) *Note 1	R	R	R	Y
LW-11437	(16bit) : OPC UA Server control command (0: None, 1: Start, 2: Stop)	R/W	R/C	R/C	Y
LB-12753	clear OPC UA HAD data	R/W	R/C	R/C	Y

Note

1. Error codes of failed steps include:

Code	Cause of Error
0	No error
1	Unknown error
2	Invalid certificate

22.3.40. e-Mail

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-12053	failed to send an [Event Log] e-Mail (when ON)	R	R	R	Y
LB-12054	failed to send an [Backup Object] e-Mail (when ON)	R	R	R	Y
LW-9216	(16bit) : the result of importing email data *Note 1	R	R	R	Y
LW-11444	(16bit) : failed step (e-Mail) *Note 2	R	R	R	Y
LW-11445	(16bit) : error code (e-Mail) *Note 3	R	R	R	Y

Note

1. 1: import succeeded, 2: import failed (file doesn't exist) , 4: incorrect file format or file cannot be decrypted.
2. Error codes of failed steps include:

Code	Cause of Error
0	CSMTP_NO_ERROR
100	WSA_STARTUP = Unable to initialize winsock2
101	WSA_VER = Wrong version of the winsock2
102	WSA_SEND = Function send() failed
103	WSA_RECV = Function recv() failed
104	WSA_CONNECT = Function connect failed
105	WSA_GETHOSTBY_NAME_ADDR = Unable to determine remote server
106	WSA_INVALID_SOCKET = Invalid winsock2 socket
107	WSA_HOSTNAME = Function hostname() failed
108	WSA_IOCTLSOCKET = Function ioctlsocket() failed
109	WSA_SELECT
110	BAD_IPV4_ADDR = Improper IPv4 address
200	UNDEF_MSG_HEADER = Undefined message header
201	UNDEF_MAIL_FROM = Undefined mail sender
202	UNDEF_SUBJECT = Undefined message subject
203	UNDEF_RECIPIENTS = Undefined at least one recipient
204	UNDEF_RECIPIENT_MAIL = Undefined recipient mail
205	UNDEF_LOGIN = Undefined user login
206	UNDEF_PASSWORD = Undefined user password
207	BAD_LOGIN_PASSWORD = Invalid user login or password

208	BAD_DIGEST_RESPONSE = Server returned a bad digest MD5 response
209	BAD_SERVER_NAME = Unable to determine server name for digest MD5 response
300	COMMAND_MAIL_FROM = Server returned error after sending MAIL FROM
301	COMMAND_EHLO = Server returned error after sending EHLO
302	COMMAND_AUTH_PLAIN = Server returned error after sending AUTH PLAIN
303	COMMAND_AUTH_LOGIN = Server returned error after sending AUTH LOGIN
304	COMMAND_AUTH_CRAMMD5 = Server returned error after sending AUTH CRAM-MD5
305	COMMAND_AUTH_DIGESTMD5 = Server returned error after sending AUTH DIGEST-MD5
306	COMMAND_DIGESTMD5 = Server returned error after sending MD5 DIGEST
307	COMMAND_DATA = Server returned error after sending DATA
308	COMMAND_QUIT = Server returned error after sending QUIT
309	COMMAND_RCPT_TO = Server returned error after sending RCPT TO
310	MSG_BODY_ERROR = Error in message body
400	CONNECTION_CLOSED = Server has closed the connection
401	SERVER_NOT_READY = Server is not ready
402	SERVER_NOT_RESPONDING = Server not responding
403	SELECT_TIMEOUT =
404	FILE_NOT_EXIST = File not exist
405	MSG_TOO_BIG = Message is too big
406	BAD_LOGIN_PASS = Bad login or password
407	UNDEF_XYZ_RESPONSE = Undefined xyz SMTP response
408	LACK_OF_MEMORY = Lack of memory
409	TIME_ERROR = time() error
410	RECVBUF_IS_EMPTY = RecvBuf is empty
411	SENDBUF_IS_EMPTY = SendBuf is empty
412	OUT_OF_MSG_RANGE = Specified line number is out of message size
413	COMMAND_EHLO_STARTTLS = Server returned error after sending STARTTLS
414	SSL_PROBLEM = SSL problem
415	COMMAND_DATABLOCK = Failed to send data block
416	STARTTLS_NOT_SUPPORTED = The STARTTLS command is not supported by the server
417	LOGIN_NOT_SUPPORTED = AUTH LOGIN is not supported by the server

3. Error messages sent from mail server can be shown by designating a word address (length adjustable) in System Parameter Settings » e-Mail tab » [Error message].

22.3.41. cMT Viewer and Diagnoser

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	

LB-12656	enable Diagnoser (set ON), disable (set OFF)	R/W	R/C	R/C	Y
LB-12657	Diagnoser password free (when ON)	R/W	R/C	R/C	Y
LW-11756	(4 words) : Diagnoser password	R/W	R/C	R/C	Y
LW-11839	(16bit) : number of connected clients (cMT Viewer)	R	R	R	Y
LW-11840	(8 words) : client 1 user name	R	R	R	Y
LW-11848	(8 words) : client 2 user name	R	R	R	Y
LW-11856	(8 words) : client 3 user name	R	R	R	Y
LW-11864	(8 words) : client 4 user name	R	R	R	Y
LW-11872	(8 words) : client 5 user name	R	R	R	Y
LW-11880	(8 words) : client 6 user name	R	R	R	Y
LW-11888	(8 words) : client 7 user name	R	R	R	Y
LW-11896	(8 words) : client 8 user name	R	R	R	Y
LW-11904	(8 words) : client 9 user name	R	R	R	Y
LW-11912	(8 words) : client 10 user name	R	R	R	Y
LW-11940	(16bit) : client 1 IP0 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11941	(16bit) : client 1 IP1 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11942	(16bit) : client 1 IP2 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11943	(16bit) : client 1 IP3 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11944	(16bit) : client 2 IP0 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11945	(16bit) : client 2 IP1 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11946	(16bit) : client 2 IP2 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11947	(16bit) : client 2 IP3 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11948	(16bit) : client 3 IP0 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11949	(16bit) : client 3 IP1 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11950	(16bit) : client 3 IP2 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y

LW-11951	(16bit) : client 3 IP3 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11952	(16bit) : client 4 IP0 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11953	(16bit) : client 4 IP1 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11954	(16bit) : client 4 IP2 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11955	(16bit) : client 4 IP3 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11956	(16bit) : client 5 IP0 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11957	(16bit) : client 5 IP1 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11958	(16bit) : client 5 IP2 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11959	(16bit) : client 5 IP3 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11960	(16bit) : client 6 IP0 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11961	(16bit) : client 6 IP1 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11962	(16bit) : client 6 IP2 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11963	(16bit) : client 6 IP3 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11964	(16bit) : client 7 IP0 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11965	(16bit) : client 7 IP1 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11966	(16bit) : client 7 IP2 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11967	(16bit) : client 7 IP3 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11968	(16bit) : client 8 IP0 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11969	(16bit) : client 8 IP1 (IP address =	R	R	R	Y

	IP0:IP1:IP2:IP3)				
LW-11970	(16bit) : client 8 IP2 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11971	(16bit) : client 8 IP3 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11972	(16bit) : client 9 IP0 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11973	(16bit) : client 9 IP1 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11974	(16bit) : client 9 IP2 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11975	(16bit) : client 9 IP3 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11976	(16bit) : client 10 IP0 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11977	(16bit) : client 10 IP1 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11978	(16bit) : client 10 IP2 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
LW-11979	(16bit) : client 10 IP3 (IP address = IP0:IP1:IP2:IP3)	R	R	R	Y
PLW-11998	(8 words) : Control Token release countdown	R	N/A	N/A	Y

22.3.42. CODESYS Information

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LW-11760	(16bit) : CODESYS firmware status (0:error, 1:start, 2:stop)	R	R	R	Y
LW-11761	(16bit) : CODESYS application status (0:error, 1:start, 2:stop)	R	R	R	Y
LW-11762	(16bit) : CODESYS login status (0:error, 1:login, 2:logout)	R	R	R	Y
LW-12059	(16bit) : CODESYS firmware version (year)	R	R	R	Y
LW-12060	(16bit) : CODESYS firmware version (month)	R	R	R	Y
LW-12061	(16bit) : CODESYS firmware version (day)	R	R	R	Y

22.3.43. Miscellaneous

Address	Description	Read(R)/Write(W)/Control(C)			Supported on cMT
		Local HMI	Macro	Remote HMI	
LB-9000~ LB-9009	initialized as ON	R/W	R/C	R/C	Y
LB-9010	data-transfer write indicator	R	R	R	Y
LB-9011	data-transfer read indicator	R	R	R	Y
LB-9012	data-transfer execution indicator	R	R	R	Y
LB-9016	status is on when a client connects to this HMI	R	R	R	Y
LB-9017	disable write-back in PLC control's [change window]	R/W	R/C	R/C	Y
LB-9039	status of file backup activity (backup in process if ON)	R	R	R	Y
LB-9045	memory-map communication fails (when ON)	R	R	R	Y
LB-9049	disable/enable watch dog (use LW-11456 set watch dog timeout) *Note 1	R/W	R/C	R/C	Y
LB-12356	enable(set on)/disable(set off) web streaming	R/W	R/C	R/C	Y
LB-12357	web streaming status (on: enabled / off: disabled)	R	R	R	Y
LB-12358	enable (when ON) / disable (when OFF) off-line simulation on HMI *Note 5	R/W	R/C	R/C	Y
LB-12361	status of operation log function (OFF : disabled, ON : enabled)	R	R	R	Y
LB-12664	Cache Hit (cMT-G03)	R	R	R	Y
LB-12668	SECS license status (0: not activated, 1: activated)	R	R	R	Y
LB-12819	RUN/STOP switch status (0: stop, 1: run) *Note 6	R	R	R	Y
LB-12822	disable(set OFF)/enable(set ON) ethernet bridge mode	R/W	R/C	R/C	Y
LW-9006	(16bit) : connected client no.	R	R	R	Y
LW-9024	(16bit) : memory link system register	R/W	R/C	R/C	Y
LW-9032	(8 words) : folder name of backup history files to SD, USB memory *Note 3	R/W	R/C	R/C	Y
LW-9050	(16bit) : current base window ID	R	R	R	Y
PLW-9050	(16bit) : current base window ID (on tablet)	R	N/A	N/A	Y
LW-9134	(16bit) : language mode *Note 2	R/W	R/C	R/C	Y
PLW-9134	(16bit) : language mode (on tablet) *Note 2	R/W	N/A	N/A	Y
LW-9900	(16bit) : HMI run mode (0 : normal mode,	R/W	R/C	R/C	Y

	1-3 : test mode (COM 1-COM 3)				
LW-10762	(8 words) : slot1 user name	R/W	R/C	R/C	Y
LW-10770	(8 words) : slot2 user name	R/W	R/C	R/C	Y
LW-10778	(8 words) : slot3 user name	R/W	R/C	R/C	Y
LW-10814	(16bit) : connecting to a Weintek HMI (0:none, 1:connecting) *Note 4	R	R	R	Y
LW-11456	(16bit) : watch dog timeout (3 ~ 10), unit : second *Note 1	R/W	R/C	R/C	Y
LW-12245	(32bit) : BACnet/IP server device id	R/W	R/C	R/C	Y

Note

1. When LB-9049 watch dog function is enabled, watch dog automatically reboots the system after the HMI stops functioning for a specified period of time.
2. To display texts on objects in multiple languages, except for using Label Library, the system reserved register [LW-9134: language mode] is needed. The value range in LW-9134 is 0 ~ 23. The values in LW-9134 relates to the languages downloaded to HMI. LW-9134 value and language correspondence vary according to the languages selected during project compilation and download.
   For example: If 5 languages are defined by user in Label Library as Language 1 (Traditional Chinese), Language 2 (Simplified Chinese), Language 3 (English), Language 4 (French), and Language 5 (Japanese). If only Language 1, 3, 5 are downloaded, the corresponding language of the value in LW-9134 will be 0 → Language 1 (Traditional Chinese), 1 → Language 3 (English), 2 → Language 5 (Japanese). The following demo project explains how to switch languages using Option List Object and LW-9134.

Click the icon to download the demo project. Please confirm your internet connection.

3. Click the icon to download the demo project. Please confirm your internet connection.
4. When the USB Host is connected to a Weintek HMI, the address is set to 1, for testing if the USB Client of another Weintek HMI works normally.
5. This register allows switching to off-line mode on HMI. In off-line mode, “Device No Response” message will not show even when HMI is not properly connected. In this case, device related objects can still operate, however, the values are not read by / written to the device.
6. Supported on cMT-CTRL01.