



MAPPA DEI REGISTRI MODBUS

BTR102

Bridge · Gateway · Datalogger Modbus

Italiano · Revisione 0



INDICE

1	INTRODUZIONE.....	3
1.1	Accesso ai registri.....	3
1.2	Ruoli di lettura e scrittura	3
2	TIPI DI DATO	4
3	MAPPA DEI REGISTRI.....	5

1 INTRODUZIONE

Questo documento elenca i registri Modbus (40001 e successivi) esposti dal BTR102. È generato dal foglio di riferimento BTR102_MEMORY_MAP.xlsm, usato anche per generare il firmware.

1.1 Accesso ai registri

- **Modbus TCP:** server sulla porta 502 (configurabile) su Ethernet, WiFi STA e WiFi AP; indirizzo slave TCP impostabile da 1 a 247.
- **Bridge verso RTU:** le richieste Modbus TCP indirizzate agli slave del bus RS485 vengono inoltrate così come sono sul bus RTU.
- **Interfaccia web:** la stessa mappa è consultabile e configurabile dalla pagina web integrata.

1.2 Ruoli di lettura e scrittura

Le colonne Lettura e Scrittura indicano il livello minimo di accesso richiesto via Modbus: ALWAYS = sempre, NEVER = mai, WITH PASS = solo dopo lo sblocco con la password indicata.

Non vanno confusi con i ruoli Utente e Installatore dell'interfaccia web.

2 TIPI DI DATO

I registri sono indicati con la numerazione Modbus classica degli holding register (40001 e successivi). Nella richiesta Modbus l'indirizzo da trasmettere è il numero del registro meno 40001 (ad esempio il registro 40001 corrisponde all'indirizzo 0).

Tipi di dato		
Tipo	Registri	Valori
char	1	-128 ... 255
signed short	1	-32768 ... 32767
unsigned short	1	0 ... 65535
signed long	2	-2147483648 ... 2147483647
unsigned long	2	0 ... 4294967295
float	2	-3.4028235e+38 ... 3.4028235e+38
signed long long	4	-9.223372e+18 ... 9.223372e+18
unsigned long long	4	0 ... 1.8446744e+19
double	4	-1.7976931348623157e+308 ... 1.7976931348623157e+308

3 MAPPA DEI REGISTRI

Registri Modbus BTR102							
Registro	Tipo	Nome	Descrizione	Default	Lettura	Scrittura	Min – Max
40001 – 40008	char × 8	machine_id_1 ... machine_id_8	Machine ID, set by Chronos. 1 char per register ... Machine ID, set by Chronos. 1 char per register		ALWAYS	WITH PASS C	0 – 255
40009	unsigned short	hw_version	Hardware version, set by Chronos.	1	ALWAYS	WITH PASS C	0 – 65535
40010	unsigned short	fw_version	Firmware version, set by Chronos.	1	ALWAYS	WITH PASS C	0 – 65535
40011	unsigned short	mounted_version	varianti di montaggio	0	ALWAYS	WITH PASS C	0 – 1
40012	unsigned short	year_month	calibration year and month	0	ALWAYS	WITH PASS C	0 – 65535
40013	unsigned short	day_Hour	calibration day and hour	0	ALWAYS	WITH PASS C	0 – 65535
40014	unsigned short	minute_second	calibration minute and second	0	ALWAYS	WITH PASS C	0 – 65535
40015	unsigned short	feature_version	0: Bridge TCP-RTU 1: Gateway TCP-RTU 2: Gateway MQTT	0	ALWAYS	WITH PASS C	0 – 65535
40016	unsigned short	Mac_address_Wifi_STA_1	Mac address Wifi Station MSB	11	ALWAYS	WITH PASS C	0 – 65535
40017	unsigned short	Mac_address_Wifi_STA_2	Mac address Wifi Station	22	ALWAYS	WITH PASS C	0 – 65535
40018	unsigned short	Mac_address_Wifi_STA_3	Mac address Wifi Station	33	ALWAYS	WITH PASS C	0 – 65535
40019	unsigned short	Mac_address_Wifi_STA_4	Mac address Wifi Station	44	ALWAYS	WITH PASS C	0 – 65535
40020	unsigned short	Mac_address_Wifi_STA_5	Mac address Wifi Station	55	ALWAYS	WITH PASS C	0 – 65535
40021	unsigned short	Mac_address_Wifi_STA_6	Mac address Wifi Station LSB	66	ALWAYS	WITH PASS C	0 – 65535
40022	unsigned short	Mac_address_Wifi_SO_FT_AP_1	Mac address Wifi software enabled access point MSB	11	ALWAYS	WITH PASS C	0 – 65535
40023	unsigned short	Mac_address_Wifi_SO_FT_AP_2	Mac address Wifi software enabled access point	22	ALWAYS	WITH PASS C	0 – 65535
40024	unsigned short	Mac_address_Wifi_SO_FT_AP_3	Mac address Wifi software enabled access point	33	ALWAYS	WITH PASS C	0 – 65535
40025	unsigned short	Mac_address_Wifi_SO_FT_AP_4	Mac address Wifi software enabled access point	44	ALWAYS	WITH PASS C	0 – 65535
40026	unsigned short	Mac_address_Wifi_SO_FT_AP_5	Mac address Wifi software enabled access point	55	ALWAYS	WITH PASS C	0 – 65535
40027	unsigned short	Mac_address_Wifi_SO_FT_AP_6	Mac address Wifi software enabled access point LSB	66	ALWAYS	WITH PASS C	0 – 65535
40028	unsigned short	Mac_address_Ethernet_1	Mac address Ethernet MSB	31	ALWAYS	WITH PASS C	0 – 65535

40029	unsigned short	Mac_address_Ethernet_2	Mac address Ethernet	32	ALWAYS	WITH PASS C	0 – 65535
40030	unsigned short	Mac_address_Ethernet_3	Mac address Ethernet	33	ALWAYS	WITH PASS C	0 – 65535
40031	unsigned short	Mac_address_Ethernet_4	Mac address Ethernet	34	ALWAYS	WITH PASS C	0 – 65535
40032	unsigned short	Mac_address_Ethernet_5	Mac address Ethernet	35	ALWAYS	WITH PASS C	0 – 65535
40033	unsigned short	Mac_address_Ethernet_6	Mac address Ethernet LSB	36	ALWAYS	WITH PASS C	0 – 65535
40034	unsigned short	Mac_address_Bluetooth_h_1	Mac address Bluetooth MSB	96	ALWAYS	WITH PASS C	0 – 65535
40035	unsigned short	Mac_address_Bluetooth_h_2	Mac address Bluetooth	95	ALWAYS	WITH PASS C	0 – 65535
40036	unsigned short	Mac_address_Bluetooth_h_3	Mac address Bluetooth	94	ALWAYS	WITH PASS C	0 – 65535
40037	unsigned short	Mac_address_Bluetooth_h_4	Mac address Bluetooth	93	ALWAYS	WITH PASS C	0 – 65535
40038	unsigned short	Mac_address_Bluetooth_h_5	Mac address Bluetooth	92	ALWAYS	WITH PASS C	0 – 65535
40039	unsigned short	Mac_address_Bluetooth_h_6	Mac address Bluetooth LSB	91	ALWAYS	WITH PASS C	0 – 65535
40060	unsigned short	modbus_TCP_address	Modbus TCP address (per accedere ai suoi registri)	247	ALWAYS	ALWAYS	0 – 65535
40061	unsigned short	modbus_RTU_delay	Delay Modbus answer (in ms)	0	ALWAYS	ALWAYS	0 – 65535
40062	unsigned short	modbus_RTU_baudrate	Baudrate 0 → 1200 1 → 2400 2 → 4800 3 → 9600 4 → 19200 5 → 38400 6 → 57600 7 → 115200	3	ALWAYS	ALWAYS	0 – 65535
40063	unsigned short	modbus_RTU_parity	0 → NONE 1 → EVEN 2 → ODD	0	ALWAYS	ALWAYS	0 – 65535
40064	unsigned short	modbus_RTU_Stop_bit	0 → 1 Bit 1 → 1,5 Bit 2 → 2 Bit	0	ALWAYS	ALWAYS	0 – 65535
40065	unsigned short	modbus_RTU_timeout	timeout in ricezione in ms	1000	ALWAYS	ALWAYS	100 – 65535
40066	unsigned short	Machine_Configuration_Register	#define USE_NTP 0x0001 #define BUZZER_IN_TOUCH 0x0002 #define BUZZER_IN_ALARM 0x0004 #define WIFI_STA_ENABLE 0x0008 #define WIFI_AP_ENABLE 0x0010 #define MQTT_ENABLE 0x0020 #define SD_ENABLE 0x0040 #define USB_ENABLE 0x0080	218	ALWAYS	ALWAYS	0 – 65535

40133	unsigned short	Wifi_STA_IP_0	WI-FI STA IP static (DHCP off) 0	192	ALWAYS	ALWAYS	0 – 65535
40134	unsigned short	Wifi_STA_IP_1	WI-FI STA IP static (DHCP off) 1	168	ALWAYS	ALWAYS	0 – 65535
40135	unsigned short	Wifi_STA_IP_2	WI-FI STA IP static (DHCP off) 2	178	ALWAYS	ALWAYS	0 – 65535
40136	unsigned short	Wifi_STA_IP_3	WI-FI STA IP static (DHCP off) 3	200	ALWAYS	ALWAYS	0 – 65535
40137	unsigned short	Wifi_STA_Netmask_0	WI-FI STA NETMASK static (DHCP off) 0	255	ALWAYS	ALWAYS	0 – 65535
40138	unsigned short	Wifi_STA_Netmask_1	WI-FI STA NETMASK static (DHCP off) 1	255	ALWAYS	ALWAYS	0 – 65535
40139	unsigned short	Wifi_STA_Netmask_2	WI-FI STA NETMASK static (DHCP off) 2	255	ALWAYS	ALWAYS	0 – 65535
40140	unsigned short	Wifi_STA_Netmask_3	WI-FI STA NETMASK static (DHCP off) 3	0	ALWAYS	ALWAYS	0 – 65535
40141	unsigned short	Wifi_STA_Gateway_0	WI-FI STA GATEWAY static (DHCP off) 0	192	ALWAYS	ALWAYS	0 – 65535
40142	unsigned short	Wifi_STA_Gateway_1	WI-FI STA GATEWAY static (DHCP off) 1	168	ALWAYS	ALWAYS	0 – 65535
40143	unsigned short	Wifi_STA_Gateway_2	WI-FI STA GATEWAY static (DHCP off) 2	178	ALWAYS	ALWAYS	0 – 65535
40144	unsigned short	Wifi_STA_Gateway_3	WI-FI STA GATEWAY static (DHCP off) 3	1	ALWAYS	ALWAYS	0 – 65535
40177	unsigned short	Wifi_AP_IP_0	WI-FI AP IP 0	192	ALWAYS	ALWAYS	0 – 65535
40178	unsigned short	Wifi_AP_IP_1	WI-FI AP IP 1	168	ALWAYS	ALWAYS	0 – 65535
40179	unsigned short	Wifi_AP_IP_2	WI-FI AP IP 2	4	ALWAYS	ALWAYS	0 – 65535
40180	unsigned short	Wifi_AP_IP_3	WI-FI AP IP 3	1	ALWAYS	ALWAYS	0 – 65535
40181	unsigned short	Wifi_AP_Netmask_0	WI-FI AP NETMASK 0	255	ALWAYS	ALWAYS	0 – 65535
40182	unsigned short	Wifi_AP_Netmask_1	WI-FI AP NETMASK 1	255	ALWAYS	ALWAYS	0 – 65535
40183	unsigned short	Wifi_AP_Netmask_2	WI-FI AP NETMASK 2	255	ALWAYS	ALWAYS	0 – 65535
40184	unsigned short	Wifi_AP_Netmask_3	WI-FI AP NETMASK 3	0	ALWAYS	ALWAYS	0 – 65535
40185	unsigned short	Wifi_AP_Gateway_0	WI-FI AP GATEWAY 0	192	ALWAYS	ALWAYS	0 – 65535
40186	unsigned short	Wifi_AP_Gateway_1	WI-FI AP GATEWAY 1	168	ALWAYS	ALWAYS	0 – 65535
40187	unsigned short	Wifi_AP_Gateway_2	WI-FI AP GATEWAY 2	4	ALWAYS	ALWAYS	0 – 65535
40188	unsigned short	Wifi_AP_Gateway_3	WI-FI AP GATEWAY 3	1	ALWAYS	ALWAYS	0 – 65535
40189	unsigned short	Ethernet_IP_0	ETHERNET IP static (DHCP off) 0	192	ALWAYS	ALWAYS	0 – 65535
40190	unsigned short	Ethernet_IP_1	ETHERNET IP static (DHCP off) 1	168	ALWAYS	ALWAYS	0 – 65535

40191	unsigned short	Ethernet_IP_2	ETHERNET IP static (DHCP off) 2	178	ALWAYS	ALWAYS	0 – 65535
40192	unsigned short	Ethernet_IP_3	ETHERNET IP static (DHCP off) 3	250	ALWAYS	ALWAYS	0 – 65535
40193	unsigned short	Ethernet_Netmask_0	ETHERNET NETMASK static (DHCP off) 0	255	ALWAYS	ALWAYS	0 – 65535
40194	unsigned short	Ethernet_Netmask_1	ETHERNET NETMASK static (DHCP off) 1	255	ALWAYS	ALWAYS	0 – 65535
40195	unsigned short	Ethernet_Netmask_2	ETHERNET NETMASK static (DHCP off) 2	255	ALWAYS	ALWAYS	0 – 65535
40196	unsigned short	Ethernet_Netmask_3	ETHERNET NETMASK static (DHCP off) 3	0	ALWAYS	ALWAYS	0 – 65535
40197	unsigned short	Ethernet_Gateway_0	ETHERNET GATEWAY static (DHCP off) 0	192	ALWAYS	ALWAYS	0 – 65535
40198	unsigned short	Ethernet_Gateway_1	ETHERNET GATEWAY static (DHCP off) 1	168	ALWAYS	ALWAYS	0 – 65535
40199	unsigned short	Ethernet_Gateway_2	ETHERNET GATEWAY static (DHCP off) 2	178	ALWAYS	ALWAYS	0 – 65535
40200	unsigned short	Ethernet_Gateway_3	ETHERNET GATEWAY static (DHCP off) 3	1	ALWAYS	ALWAYS	0 – 65535
40201	unsigned long	Communications_settings	#define WIFI_STA_DHCP 0X0001 #define ETHERNET_DHCP 0X0002	3	ALWAYS	ALWAYS	0 – 4294967295
40203	signed long	UTC_Time_zone_value	The value of this register sets the Time Zone out of a list of 461 elements. The entire list is in the documentation, the default value is 390 which is for 'Europe/Rome'	390	ALWAYS	ALWAYS	- 2147483648 – 2147483647
40205	unsigned short	interface_language	#define ITALIANO 0X0000 #define ENGLISH 0X0001	0	ALWAYS	ALWAYS	0 – 65535
40206	unsigned short	ora_solare_legale	0: solare 1: legale	0	ALWAYS	NEVER	0 – 65535
40209 – 40228	unsigned short × 20	logging_register_addresses_1 ... logging_register_addresses_20	Modbus Address to do logging in position 1 ... Modbus Address to do logging in position 20		ALWAYS	ALWAYS	40000 – 49653
40229	unsigned short	logging_period_s_flash	logging period in seconds for internal flash	5	ALWAYS	ALWAYS	5 – 65535
40230 – 40249	unsigned short × 20	mqtt_logging_register_address_1 ... mqtt_logging_register_address_20	Modbus Address used to log data with MQTT 1 ... Modbus Address used to log data with MQTT 20		ALWAYS	ALWAYS	40000 – 49653
40250	unsigned short	mqtt_logging_period_s	mqtt publish period	20	ALWAYS	ALWAYS	20 – 65535
40252 – 40267	char × 16	webserver_password_0 ... webserver_password_15	webserver authentication password char 0 ... webserver authentication password char 15		NEVER	ALWAYS	-128 – 255

40268 – 40283	char × 16	webserver_password_default_0 ... webserver_password_default_15	webserver authentication password char 0 ... webserver authentication password char 15		NEVER	ALWAYS	-128 – 255
40284 – 40299	char × 16	webserver_ins_password_0 ... webserver_ins_password_15	webserver authentication password char 0 ... webserver authentication password char 15		NEVER	ALWAYS	-128 – 255
40300 – 40315	char × 16	webserver_ins_password_default_0 ... webserver_ins_password_default_15	webserver authentication password char 0 ... webserver authentication password char 15		NEVER	ALWAYS	-128 – 255
40325	signed short	wifi_tx_power	Wifi Strength of our antenna in dBm	20	ALWAYS	ALWAYS	-32768 – 32767
40326	unsigned short	periodo_polling	periodo di polling in decimi di sec	10	ALWAYS	ALWAYS	10 – 65535
40327	unsigned short	delay_between_polls	ritardo prima di nuova richiesta in ms	10	ALWAYS	ALWAYS	0 – 65535
40328	unsigned short	max_n_record	massimo numero di record in USB o uSD	10000	ALWAYS	ALWAYS	1 – 65535
40329	unsigned short	conf_logging	#define LOG_SD_MASK 0x0003 #define LOG_SD_OFF 0x0000 #define LOG_SD_ON 0x0001 #define LOG_SD_PROGRAMMATO 0x0002 #define LOG_SD_MQTT 0x0003 #define LOG_USB_MASK 0x000C #define LOG_USB_OFF 0x0000 #define LOG_USB_ON 0x0004 #define LOG_USB_PROGRAMMATO 0x0008 #define LOG_USB_MQTT 0x000C #define LOG_MQTT_MASK 0x0030 #define LOG_MQTT_OFF 0x0000 #define LOG_MQTT_ON 0x0010 #define LOG_MQTT_PROGRAMMATO 0x0020	0	ALWAYS	ALWAYS	0 – 65535
40330	unsigned short	year_month_log	start log year and month	65535	ALWAYS	ALWAYS	0 – 65535
40331	unsigned short	day_Hour_log	start log day and hour	65280	ALWAYS	ALWAYS	0 – 65535
40332	unsigned short	minute_second_log	start log minute and second	0	ALWAYS	ALWAYS	0 – 65535
40339	unsigned short	Ethernet_IP_assigned_by_dhcp_0	ETHERNET IP ASSEGNATO (DHCP on) 0	0	ALWAYS	NEVER	0 – 65535

40340	unsigned short	Ethernet_IP_assigned_by_dhcp_1	ETHERNET IP ASSEGNATO (DHCP on) 1	0	ALWAYS	NEVER	0 – 65535
40341	unsigned short	Ethernet_IP_assigned_by_dhcp_2	ETHERNET IP ASSEGNATO (DHCP on) 2	0	ALWAYS	NEVER	0 – 65535
40342	unsigned short	Ethernet_IP_assigned_by_dhcp_3	ETHERNET IP ASSEGNATO (DHCP on) 3	0	ALWAYS	NEVER	0 – 65535
40343	unsigned short	Ethernet_Netmask_assigned_by_dhcp_0	ETHERNET NETMASK ASSEGNATO (DHCP on) 0	0	ALWAYS	NEVER	0 – 65535
40344	unsigned short	Ethernet_Netmask_assigned_by_dhcp_1	ETHERNET NETMASK ASSEGNATO (DHCP on) 1	0	ALWAYS	NEVER	0 – 65535
40345	unsigned short	Ethernet_Netmask_assigned_by_dhcp_2	ETHERNET NETMASK ASSEGNATO (DHCP on) 2	0	ALWAYS	NEVER	0 – 65535
40346	unsigned short	Ethernet_Netmask_assigned_by_dhcp_3	ETHERNET NETMASK ASSEGNATO (DHCP on) 3	0	ALWAYS	NEVER	0 – 65535
40347	unsigned short	Ethernet_Gateway_assigned_by_dhcp_0	ETHERNET GATEWAY ASSEGNATO (DHCP on) 0	0	ALWAYS	NEVER	0 – 65535
40348	unsigned short	Ethernet_Gateway_assigned_by_dhcp_1	ETHERNET GATEWAY ASSEGNATO (DHCP on) 1	0	ALWAYS	NEVER	0 – 65535
40349	unsigned short	Ethernet_Gateway_assigned_by_dhcp_2	ETHERNET GATEWAY ASSEGNATO (DHCP on) 2	0	ALWAYS	NEVER	0 – 65535
40350	unsigned short	Ethernet_Gateway_assigned_by_dhcp_3	ETHERNET GATEWAY ASSEGNATO (DHCP on) 3	0	ALWAYS	NEVER	0 – 65535
40353	unsigned long	Status_1	<pre>#define FLASH_SETTINGS_ERROR 0x00000001 #define FLASH_CALIBRATION_ERROR 0x00000002 #define FLASH_JSON_ERROR 0x00000004 #define BUZZER_ON 0x00000008 #define RTC_CLOCK_NOT_UPDATED 0x00000010</pre>	0	ALWAYS	NEVER	0 – 4294967295
40355	unsigned long	Status_2	<pre>#define NTP_SET 0x00002000 #define TOUCH_BOTTOM_PRESSED 0x00040000 #define ERROR_TEMP_SENSOR 0x00080000 #define ERROR_TOUCH_SENSOR 0x00100000 #define REQUEST_RESET_SETTINGS 0x00200000 #define RTC_WRITING_IN_PROGRESS 0x00400000 #define REQUEST_RSSI 0x00800000</pre>	0	ALWAYS	NEVER	0 – 4294967295

40359	unsigned long	Communication_status	<pre>#define WIFI_STA_CONNECTED 0x0001 #define ETHERNET_CONNECTED 0x0002 #define CLOUD_CONNECTED 0x0004 #define SD_CARD_MOUNTED 0x0008 #define USB_MOUNTED 0x0010 #define MQTT_CONNECTED 0x0020 #define SD_CARD_INSERTED 0x0040 #define USB_INSERTED 0x0080</pre>	0	ALWAYS	NEVER	0 – 4294967 295
40361	unsigned short	socket_TCP	numero socket TCP	0	ALWAYS	NEVER	0 – 65535
40362	unsigned short	socket_HTTP	numero socket HTTP	0	ALWAYS	NEVER	0 – 65535
40363	unsigned short	socket_AP	numero socket AP	0	ALWAYS	NEVER	0 – 65535
40364	signed short	temperatura_int	temperatura interna in decimi di grado	0	ALWAYS	NEVER	-32768 – 32767
40365	unsigned long	soglia_touch		0	ALWAYS	NEVER	0 – 4294967 295
40367	unsigned short	Wifi_STA_IP_assigned_by_dhcp_0	WI-FI STA IP SET (DHCP on) 0	0	ALWAYS	NEVER	0 – 65535
40368	unsigned short	Wifi_STA_IP_assigned_by_dhcp_1	WI-FI STA IP SET (DHCP on) 1	0	ALWAYS	NEVER	0 – 65535
40369	unsigned short	Wifi_STA_IP_assigned_by_dhcp_2	WI-FI STA IP SET (DHCP on) 2	0	ALWAYS	NEVER	0 – 65535
40370	unsigned short	Wifi_STA_IP_assigned_by_dhcp_3	WI-FI STA IP SET (DHCP on) 3	0	ALWAYS	NEVER	0 – 65535
40371	unsigned short	Wifi_STA_Netmask_assigned_by_dhcp_0	WI-FI STA NETMASK SET (DHCP on) 0	0	ALWAYS	NEVER	0 – 65535
40372	unsigned short	Wifi_STA_Netmask_assigned_by_dhcp_1	WI-FI STA NETMASK SET (DHCP on) 1	0	ALWAYS	NEVER	0 – 65535
40373	unsigned short	Wifi_STA_Netmask_assigned_by_dhcp_2	WI-FI STA NETMASK SET (DHCP on) 2	0	ALWAYS	NEVER	0 – 65535
40374	unsigned short	Wifi_STA_Netmask_assigned_by_dhcp_3	WI-FI STA NETMASK SET (DHCP on) 3	0	ALWAYS	NEVER	0 – 65535
40375	unsigned short	Wifi_STA_Gateway_assigned_by_dhcp_0	WI-FI STA GATEWAY SET (DHCP on) 0	0	ALWAYS	NEVER	0 – 65535
40376	unsigned short	Wifi_STA_Gateway_assigned_by_dhcp_1	WI-FI STA GATEWAY SET (DHCP on) 1	0	ALWAYS	NEVER	0 – 65535
40377	unsigned short	Wifi_STA_Gateway_assigned_by_dhcp_2	WI-FI STA GATEWAY SET (DHCP on) 2	0	ALWAYS	NEVER	0 – 65535
40378	unsigned short	Wifi_STA_Gateway_assigned_by_dhcp_3	WI-FI STA GATEWAY SET (DHCP on) 3	0	ALWAYS	NEVER	0 – 65535
40379	signed short	RSSI	Wifi Strength (of the connected AP)	0	ALWAYS	NEVER	-32768 – 32767

40383	unsigned short	Command	<pre> #define COMANDO_SALVATAGGIO_FL ASH_TARATURE 0xC1B0U #define COMANDO_SALVATAGGIO_FL ASH_SOLO_SETTAGGI 0xF1C0U #define COMANDO_SALVATAGGIO_FL ASH_SETTAGGI_E_NFC 0xC1C0U #define COMANDO_RESET_SETTINGS_ DEFAULT 0XD1C0U #define COMANDO_LEGGI_DIP 0xD166U #define COMANDO_RESET 0xC1A0U #define COMANDO_BOOTLOADER 0xB000U #define COMANDO_BUZZER_ON 0xDABAU #define COMANDO_BUZZER_OFF 0xDABBU #define COMANDO_SET_RTC 0xB123U #define COMANDO_RESET_SOLO_CRE DENZIALI 0xC3EDU #define COMANDO_TARA_TASTO 0xCA22U </pre>	0	ALWAYS	ALWAYS	0 – 65535
40384	unsigned short	req_id1	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40385	unsigned short	req_type1	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40386	unsigned short	req_ip1_0	IP	0	ALWAYS	NEVER	0 – 255
40387	unsigned short	req_ip1_1	IP	0	ALWAYS	NEVER	0 – 255
40388	unsigned short	req_ip1_2	IP	0	ALWAYS	NEVER	0 – 255
40389	unsigned short	req_ip1_3	IP	0	ALWAYS	NEVER	0 – 255
40390	unsigned short	req_addr1	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40391	unsigned short	req_qty1	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40392	unsigned short	req_id2	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40393	unsigned short	req_type2	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40394	unsigned short	req_ip2_0	IP	0	ALWAYS	NEVER	0 – 255

40395	unsigned short	req_ip2_1	IP	0	ALWAYS	NEVER	0 – 255
40396	unsigned short	req_ip2_2	IP	0	ALWAYS	NEVER	0 – 255
40397	unsigned short	req_ip2_3	IP	0	ALWAYS	NEVER	0 – 255
40398	unsigned short	req_addr2	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40399	unsigned short	req_qty2	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40400	unsigned short	req_id3	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40401	unsigned short	req_type3	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40402	unsigned short	req_ip3_0	IP	0	ALWAYS	NEVER	0 – 255
40403	unsigned short	req_ip3_1	IP	0	ALWAYS	NEVER	0 – 255
40404	unsigned short	req_ip3_2	IP	0	ALWAYS	NEVER	0 – 255
40405	unsigned short	req_ip3_3	IP	0	ALWAYS	NEVER	0 – 255
40406	unsigned short	req_addr3	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40407	unsigned short	req_qty3	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40408	unsigned short	req_id4	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40409	unsigned short	req_type4	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40410	unsigned short	req_ip4_0	IP	0	ALWAYS	NEVER	0 – 255
40411	unsigned short	req_ip4_1	IP	0	ALWAYS	NEVER	0 – 255
40412	unsigned short	req_ip4_2	IP	0	ALWAYS	NEVER	0 – 255
40413	unsigned short	req_ip4_3	IP	0	ALWAYS	NEVER	0 – 255
40414	unsigned short	req_addr4	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40415	unsigned short	req_qty4	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40416	unsigned short	req_id5	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40417	unsigned short	req_type5	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40418	unsigned short	req_ip5_0	IP	0	ALWAYS	NEVER	0 – 255
40419	unsigned short	req_ip5_1	IP	0	ALWAYS	NEVER	0 – 255
40420	unsigned short	req_ip5_2	IP	0	ALWAYS	NEVER	0 – 255

40421	unsigned short	req_ip5_3	IP	0	ALWAYS	NEVER	0 – 255
40422	unsigned short	req_addr5	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40423	unsigned short	req_qty5	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40424	unsigned short	req_id6	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40425	unsigned short	req_type6	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40426	unsigned short	req_ip6_0	IP	0	ALWAYS	NEVER	0 – 255
40427	unsigned short	req_ip6_1	IP	0	ALWAYS	NEVER	0 – 255
40428	unsigned short	req_ip6_2	IP	0	ALWAYS	NEVER	0 – 255
40429	unsigned short	req_ip6_3	IP	0	ALWAYS	NEVER	0 – 255
40430	unsigned short	req_addr6	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40431	unsigned short	req_qty6	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40432	unsigned short	req_id7	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40433	unsigned short	req_type7	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40434	unsigned short	req_ip7_0	IP	0	ALWAYS	NEVER	0 – 255
40435	unsigned short	req_ip7_1	IP	0	ALWAYS	NEVER	0 – 255
40436	unsigned short	req_ip7_2	IP	0	ALWAYS	NEVER	0 – 255
40437	unsigned short	req_ip7_3	IP	0	ALWAYS	NEVER	0 – 255
40438	unsigned short	req_addr7	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40439	unsigned short	req_qty7	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40440	unsigned short	req_id8	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40441	unsigned short	req_type8	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40442	unsigned short	req_ip8_0	IP	0	ALWAYS	NEVER	0 – 255
40443	unsigned short	req_ip8_1	IP	0	ALWAYS	NEVER	0 – 255
40444	unsigned short	req_ip8_2	IP	0	ALWAYS	NEVER	0 – 255
40445	unsigned short	req_ip8_3	IP	0	ALWAYS	NEVER	0 – 255
40446	unsigned short	req_addr8	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535

40447	unsigned short	req_qty8	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40448	unsigned short	req_id9	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40449	unsigned short	req_type9	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40450	unsigned short	req_ip9_0	IP	0	ALWAYS	NEVER	0 – 255
40451	unsigned short	req_ip9_1	IP	0	ALWAYS	NEVER	0 – 255
40452	unsigned short	req_ip9_2	IP	0	ALWAYS	NEVER	0 – 255
40453	unsigned short	req_ip9_3	IP	0	ALWAYS	NEVER	0 – 255
40454	unsigned short	req_addr9	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40455	unsigned short	req_qty9	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40456	unsigned short	req_id10	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40457	unsigned short	req_type10	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40458	unsigned short	req_ip10_0	IP	0	ALWAYS	NEVER	0 – 255
40459	unsigned short	req_ip10_1	IP	0	ALWAYS	NEVER	0 – 255
40460	unsigned short	req_ip10_2	IP	0	ALWAYS	NEVER	0 – 255
40461	unsigned short	req_ip10_3	IP	0	ALWAYS	NEVER	0 – 255
40462	unsigned short	req_addr10	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40463	unsigned short	req_qty10	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40464	unsigned short	req_id11	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40465	unsigned short	req_type11	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40466	unsigned short	req_ip11_0	IP	0	ALWAYS	NEVER	0 – 255
40467	unsigned short	req_ip11_1	IP	0	ALWAYS	NEVER	0 – 255
40468	unsigned short	req_ip11_2	IP	0	ALWAYS	NEVER	0 – 255
40469	unsigned short	req_ip11_3	IP	0	ALWAYS	NEVER	0 – 255
40470	unsigned short	req_addr11	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40471	unsigned short	req_qty11	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40472	unsigned short	req_id12	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535

40473	unsigned short	req_type12	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40474	unsigned short	req_ip12_0	IP	0	ALWAYS	NEVER	0 – 255
40475	unsigned short	req_ip12_1	IP	0	ALWAYS	NEVER	0 – 255
40476	unsigned short	req_ip12_2	IP	0	ALWAYS	NEVER	0 – 255
40477	unsigned short	req_ip12_3	IP	0	ALWAYS	NEVER	0 – 255
40478	unsigned short	req_addr12	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40479	unsigned short	req_qty12	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40480	unsigned short	req_id13	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40481	unsigned short	req_type13	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40482	unsigned short	req_ip13_0	IP	0	ALWAYS	NEVER	0 – 255
40483	unsigned short	req_ip13_1	IP	0	ALWAYS	NEVER	0 – 255
40484	unsigned short	req_ip13_2	IP	0	ALWAYS	NEVER	0 – 255
40485	unsigned short	req_ip13_3	IP	0	ALWAYS	NEVER	0 – 255
40486	unsigned short	req_addr13	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40487	unsigned short	req_qty13	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40488	unsigned short	req_id14	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40489	unsigned short	req_type14	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40490	unsigned short	req_ip14_0	IP	0	ALWAYS	NEVER	0 – 255
40491	unsigned short	req_ip14_1	IP	0	ALWAYS	NEVER	0 – 255
40492	unsigned short	req_ip14_2	IP	0	ALWAYS	NEVER	0 – 255
40493	unsigned short	req_ip14_3	IP	0	ALWAYS	NEVER	0 – 255
40494	unsigned short	req_addr14	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40495	unsigned short	req_qty14	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40496	unsigned short	req_id15	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40497	unsigned short	req_type15	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40498	unsigned short	req_ip15_0	IP	0	ALWAYS	NEVER	0 – 255

40499	unsigned short	req_ip15_1	IP	0	ALWAYS	NEVER	0 – 255
40500	unsigned short	req_ip15_2	IP	0	ALWAYS	NEVER	0 – 255
40501	unsigned short	req_ip15_3	IP	0	ALWAYS	NEVER	0 – 255
40502	unsigned short	req_addr15	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40503	unsigned short	req_qty15	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40504	unsigned short	req_id16	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40505	unsigned short	req_type16	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40506	unsigned short	req_ip16_0	IP	0	ALWAYS	NEVER	0 – 255
40507	unsigned short	req_ip16_1	IP	0	ALWAYS	NEVER	0 – 255
40508	unsigned short	req_ip16_2	IP	0	ALWAYS	NEVER	0 – 255
40509	unsigned short	req_ip16_3	IP	0	ALWAYS	NEVER	0 – 255
40510	unsigned short	req_addr16	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40511	unsigned short	req_qty16	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40512	unsigned short	req_id17	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40513	unsigned short	req_type17	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40514	unsigned short	req_ip17_0	IP	0	ALWAYS	NEVER	0 – 255
40515	unsigned short	req_ip17_1	IP	0	ALWAYS	NEVER	0 – 255
40516	unsigned short	req_ip17_2	IP	0	ALWAYS	NEVER	0 – 255
40517	unsigned short	req_ip17_3	IP	0	ALWAYS	NEVER	0 – 255
40518	unsigned short	req_addr17	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40519	unsigned short	req_qty17	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40520	unsigned short	req_id18	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40521	unsigned short	req_type18	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40522	unsigned short	req_ip18_0	IP	0	ALWAYS	NEVER	0 – 255
40523	unsigned short	req_ip18_1	IP	0	ALWAYS	NEVER	0 – 255
40524	unsigned short	req_ip18_2	IP	0	ALWAYS	NEVER	0 – 255

40525	unsigned short	req_ip18_3	IP	0	ALWAYS	NEVER	0 – 255
40526	unsigned short	req_addr18	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40527	unsigned short	req_qty18	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40528	unsigned short	req_id19	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40529	unsigned short	req_type19	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40530	unsigned short	req_ip19_0	IP	0	ALWAYS	NEVER	0 – 255
40531	unsigned short	req_ip19_1	IP	0	ALWAYS	NEVER	0 – 255
40532	unsigned short	req_ip19_2	IP	0	ALWAYS	NEVER	0 – 255
40533	unsigned short	req_ip19_3	IP	0	ALWAYS	NEVER	0 – 255
40534	unsigned short	req_addr19	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40535	unsigned short	req_qty19	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40536	unsigned short	req_id20	ID della prima richiesta	1	ALWAYS	NEVER	1 – 65535
40537	unsigned short	req_type20	tipo richiesta	0	ALWAYS	NEVER	0 – 3
40538	unsigned short	req_ip20_0	IP	0	ALWAYS	NEVER	0 – 255
40539	unsigned short	req_ip20_1	IP	0	ALWAYS	NEVER	0 – 255
40540	unsigned short	req_ip20_2	IP	0	ALWAYS	NEVER	0 – 255
40541	unsigned short	req_ip20_3	IP	0	ALWAYS	NEVER	0 – 255
40542	unsigned short	req_addr20	Indirizzo primo registro da leggere	40001	ALWAYS	NEVER	40001 – 65535
40543	unsigned short	req_qty20	quantità registri da leggere	1	ALWAYS	NEVER	1 – 10
40544	unsigned short	Year	RTC : year (2000-2099)	2025	ALWAYS	ALWAYS	0 – 65535
40545	unsigned short	Month	RTC : month (1-12)	10	ALWAYS	ALWAYS	0 – 65535
40546	unsigned short	Day	RTC : day month (1-31)	6	ALWAYS	ALWAYS	0 – 65535
40547	unsigned short	Hour	RTC : hour (0-23)	11	ALWAYS	ALWAYS	0 – 65535
40548	unsigned short	Minute	RTC : minute (0-59)	7	ALWAYS	ALWAYS	0 – 65535
40549	unsigned short	Seconds	RTC : second (0-59)	45	ALWAYS	ALWAYS	0 – 65535
40550 – 40749	unsigned short × 200	log_1 ... log_200	registro loggato 1 ... registro loggato 200		ALWAYS	NEVER	0 – 65535

CHRONOS SRL

Sede legale

Via Germania 7 - int 6
35010 Vigonza (PD)
P.IVA, C.F.: 05248100280
SDI: M5UXCR1
PEC: chronos-pec@pec.it

Sede operativa

Via Ceresina 11/E
35030 Selvazzano Dentro (PD)
Tel.: +39 049 2274996
Mail: info@chronos-tech.it