

WEB HMI I7-1031



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7 WEB Touch Panel Product mode:I7-1031 (With gateway function)

Functional description: I7-1031 is a new generation of WEB HMI based on HTML5 specification independently developed by Shanghai Sunfull ,which can realize the on-site data monitoring and directly transform to the configuration screen for real-time data monitoring. It has the characteristic of easy operation of general configuration In addition, touch screen configuration software can run on the embedded system. Compared to other configuration software, the biggest highlight is completely based WEB development, a user-created configuration project, can be downloaded to run on the touch screen、Telephone、IPad or PC can be accessed through a browser ,and the open data interface is integrated by third-party systems.

Application field: I7-1031 supports conversion to standard BACnet servers and Modbus servers.It is applied to Building Automatic Control system or industrial field to connect some uncommon control equipments,such as PLC,DDC,UPS,central air conditioner,elevator,fire control system,light control system,electricity meter, water meter,etc. This allows users to monitor on-site devices via WEB HMI I7-1031 or mobile phone ,iPAD,or PC.

Runtime environment:

OS: Win 7/Win8/Win10/Win Server 2003/Win Server2008 etc.

Browser: IE9(and above) 、 Safari、 Google Chrome、 firefox、 Opera etc.

Register Type&Num

Number of Registers is dynamic, each register can be built up to 2048 points.

Supported BACnet type and number are shown below

BACnet Register-type	BACnet Register-number
AI(Read only)	2048(0~2047)
AO(Read and Write)	2048(0~2047)
AV(Read and Write)	2048(0~2047)
BI(Read only)	2048(0~2047)
BO(Read and Write)	2048(0~2047)
BV(Read and Write)	2048(0~2047)
MI(Read only)	2048(0~2047)
MO(Read and Write)	2048(0~2047)
MV(Read and Write)	2048(0~2047)

Supported Modbus type and number are shown below

Modbus Register-type	Modbus Register-number
0X(Coil Status) (Read and Write)	2048(1~2048)
1X(Input Status) (Read Only)	2048(1~2048)
4X(Holding Register) (Read and Write)	2048(1~4096)
3X(Input Register) (Read only)	2048(1~4096)

- Notes:
- 1.4X and 3X register address = transfer register address *2+1
0X and 1X register address = transfer register address +1
 - 2. The data type of 4X and 3X can only be Float

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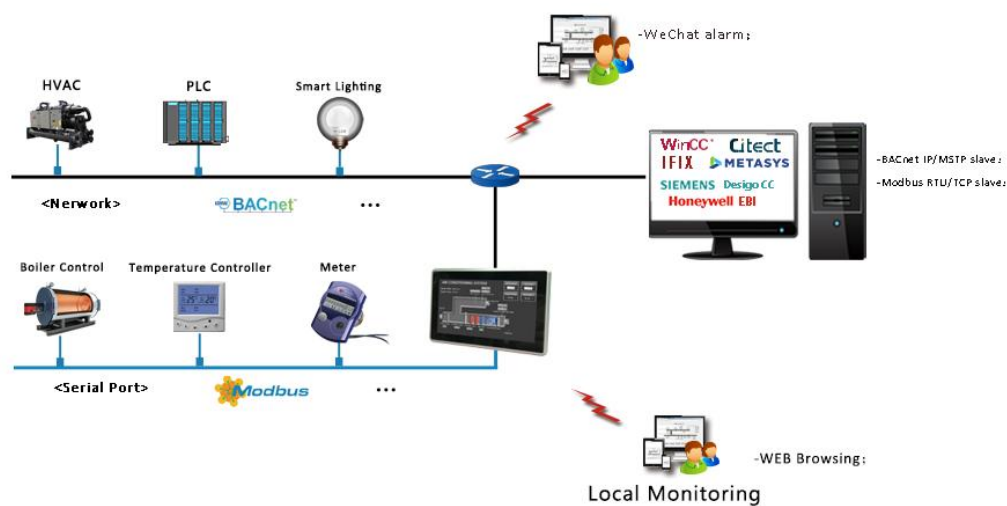
Software Features:

- Green and free installation;
- Support 6 communication protocols simultaneously
- Support to send alarm informationn by WeChat
- Support timer to realize device start and stop and set - parameters;
- Support JS script, PLC editor to realize logical control;
- Support user group management, configuration screen monitoring can set permissions;
- Support various forms of timing and event triggering, and provides custom functions for the convenience of extending the application;
- Support LAN, easy realization of remote viewing and control of touch screen via phone、iPad、PC;
- Add new private protocol support, which can be completed within 2 weeks;

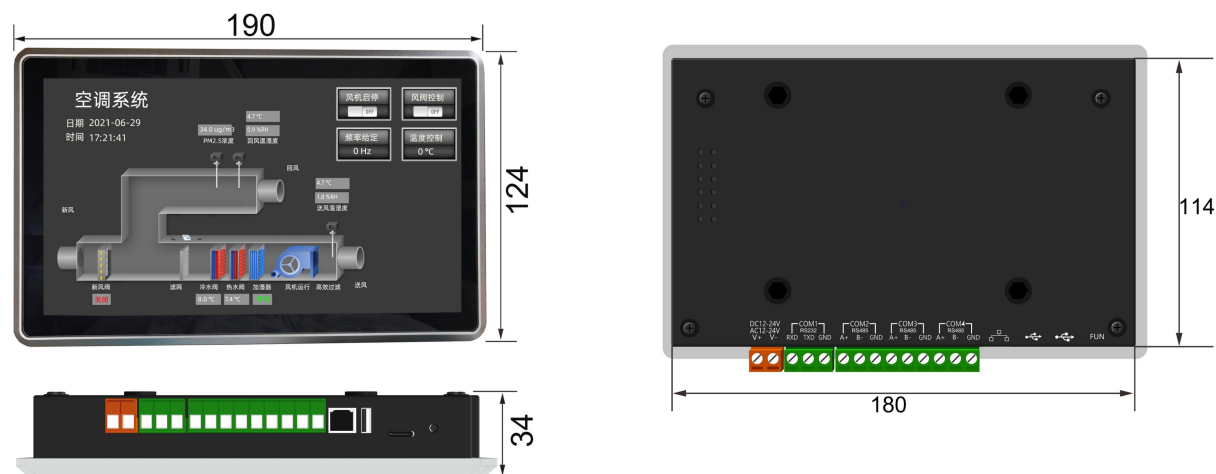
Hardware Parameter:

Screen resolution: 1024*600	Displayer: 7" TFT
Memory: DDR3 1G	Touch type: Capacitive-type
System: LINUX	CPU: 4 core 1.2GHZ
Flash: 8GB	Power dissipation: ≤8W
Weight: 0.65kg	Power Supply: AC/DC 12V-24V
Port: 1x Ethernet, 3x RS485 serial ports 1x RS232 serial port	Hole size: 180 * 114mm
Material: Aluminum alloy front shell Metal plate back shell	Temperature: -10~60°C(working) -20~70°C(storage and transportation)
Network: 1x High performance 100M/10M adaptive industrial network card, support AUTO MDI/MDIX	Humidity: 10%~90% no condensation (work), 15%~95% no condensation (storage and transportation)
Protection class: The front panel conforms with IP65 The back shell conforms with IP20.	

Application pricipel diagram



Product Size



Support Protocols List

Common Protocols

- 1 BACnet IP
- 2 BACnet MS/TP
- 3 BACnetRouter
- 4 LonWorks
- 5 Modbus RTU
- 6 Modbus ASCII
- 7 Modbus TCP
- 8 Modbus UDP
- 9 Modbus RTU_TCP
- 10 Modbus RTU_UDP
- 11 Modbus ASCII_TCP
- 12 Modbus ASCII_UDP
- 13 Modbus RTU Server
- 14 OPC DA Client
- 15 OPC XML-DA
- 16 OPC UA Client
- 17 SNMP
- 18 Simulator
- 19 SunFullFromIoT
- 20 Network_Ping
- 21 DDC2001_8600
- 22 DDC2001_8642

European Heat meter

- 23 MBus_EnergyMeter_EN
- 24 MBus_EnergyMeter_EN_ABB_FCU
- 25 MBus_EnergyMeter_EN_ATLAS

Chinese Energy Meter

- 26 MBus_XinTuo_XTR
- 27 MBus_MaiTuo_MTW
- 28 MBus_AKE
- 29 MBus_YongGang
- 30 MBus_Zenner
- 31 MBus_EnergerMeter
- 32 MBus_EnergyMeter_HaiLin
- 33 Modbus_HaiLin_EnergyMeter
- 34 MBus_Zenner_WR3
- 35 MBus_BASIC
- 36 MBus_HeBeiTongLi

Water Meter

- 37 MBus_WaterMeter
- 38 MBus_lyglhsb
- 39 ModbusRTU_Zenner
- 40 MBus_WaterMeter_LXSGY_15E
- 41 JiangYin_LiXin_WaterMeter
- 42 MBus_WaterMeter_ZERO
- 43 GuangXiang_RS_2L

Flow Meter

- 44 Modbus_Kent
- 45 Spirax SARCO M841
- 46 SC_FlowMeter
- 47 Modbus_CNM
- 48 MODBUS_LCD
- 49 Modbus_LDZ_6_GuangHua
- 50 Modbus_BiaoYi_WL
- 51 ModbusRTU_D08_8C
- 52 LCM_2000DF
- 53 LJS_ZLJS
- 54 Tancy_FlowmeterV1_3

Elevator

- 55 Hitachi Elevator BA Interface
- 56 Mitsubishi Elevator SMOS-PS2
- 57 Mitsubishi Elevator KLR-F485
- 58 Otis Elevator BA Interface
- 59 ModbusRTU_Otis_BAS
- 60 Otis_Elevator_BA_Jen2
- 61 ModbusTCP_Thyssenkrupp_Elevator
- 62 ModbusRTU_Thyssenkrupp_Elevator
- 63 Mitsubishi Elevator SMOS-PS2_TCP
- 64 Modbus_Otis_Elevator
- 65 Modbus_Kone elevator
- 66 Modbus_Kone elevator ASCII
- 67 Modbus_Kone_Elevator_ASCII_ANJAR
- 68 Mitsubishi Elevator MAXIEZ
- 69 Modbus_XIOLIFT_Elevator
- 70 XIOLIFT_Escalator
- 71 Elevator_3_Map
- 72 Giant_Kone_Elevator

Support Protocols List

149 Toshiba_PROVISOR_TC200
150 LS_GM_GLOFA_Enet
151 Siemens_IPC_PLC
152 AB_EthernetIP
153 AB_DF1_FullDuplex
154 Beckhoff_TwinCAT_ADS
155 FuJi_SPH_ET1

Siemens PLC

156 Siemens S7-200 PPI
157 Siemens S7-200 Network
158 Siemens S7-300 Network
159 Siemens S7-1200 Network
160 XT55 GPS SERVER
161 Siemens_MicroMaster430

Light Control

162 KNXnetIP_MultiCast
163 DyNet
164 Modbus LDS
165 MicroPara_DR0816
166 MicroPara_DR1220
167 MicroPara_DH0416
168 LitePuter_DP_105E
169 LitePuter_PLNET
170 MicroPara
171 ULaiDe
172 LDS
173 E_Linkers_ECWG485
174 Lutron_Telnet
175 DALITEK_DigitalHotelInterface
176 Gfilcs_GF_LCS6008_NCC
177 CRESTRON_DIN_AP3_TCP
178 EastSun_UDP
179 EastSun_TCP
180 Clipsal_CBus
181 DynaliteOnline_LSP8100
182 Honeywell_HBLS_GW
183 LEVITON_TCPServer
184 CAN_JCDQ
185 CAN_ANSLE

166 MicroPara_DR1220
167 MicroPara_DH0416
168 LitePuter_DP_105E
169 LitePuter_PLNET
170 MicroPara
171 ULaiDe
172 LDS
173 E_Linkers_ECWG485
174 Lutron_Telnet
175 DALITEK_DigitalHotelInterface
176 Gfilcs_GF_LCS6008_NCC
177 CRESTRON_DIN_AP3_TCP
178 EastSun_UDP
179 EastSun_TCP
180 Clipsal_CBus
181 DynaliteOnline_LSP8100
182 Honeywell_HBLS_GW
183 LEVITON_TCPServer
184 CAN_JCDQ
185 CAN_ANSLE
186 CAN_WENBAO
187 CAN_JINGO
188 CAN_DOBao
189 ZhejiangShuoBen
190 LEVITON_HTTPS
191 LEVITON_HTTP
192 Acrel_Apolo_TCPServer
193 Cuomoe_485
194 HunterDouglas_MA400
195 Modbus_SX0416_A

UPS

196 YDT1363.3
197 SANTAK UPS
198 DELTA UPS ES3000
199 LEGRAND UPS
200 EMERSON_HIPULSE
201 EMERSON_Liebert_UPS
202 ModbusRTU_GE_UPS
203 EKSI_UPS
204 EMERSON_NXL

Support Protocols List

205 EMERSON_ITA40k_UPS

206 EMERSON_UH31

207 EMERSON_UL33

208 Voltronic_Power_UPS

209 Envicool_CyberMate

210 VERTIV_PEX_CW_YDN32

211 Hisense_YDT

212 MenTech_MEC048_H53A0

213 EMERSON_ITA_NXC_NX_UPS

214 VERTIV_SunStreaker

215 Schneider_APC_SPM_UPS

216 Joton_Tmaster_TXXY_GJ

217 HTBAYKEE_HTT_UPS

Fire Alarm

218 JB-3208 CRT

219 Siemens Cerberus FS18

220 BOSCH_DS7400XI_TCP

221 BOSCH_DS7400XI

222 BOSCH_MTSW_UDPServer

223 VESDA_Open_HLI_Protocol

224 YANRONG_YR_LC_TXAH

225 NOTIFIRE_NFS2_3030_CRT

226 TYCO_Simplex_4100ZHU

227 LEADER_LD128E_CRT

228 EST3_CRT Edwards Fire Alarm

229 JADE_BIRD_JBF_293K_CRT

230 saj110_AlarmSystem

231 Forsafe_CRT

232 NOHMI_GTW_CRT

233 VOANDOS_AL_9480

234 SZ_SANJIANG_CRT

235 TanDaTech_CRT

Lumi_Gateway

236 Lumi_Gateway

236 Lumi_Aqara

Injection Molding Machine

238 SUMITOMO_SE_D

239 LK_POTENZA_200

240 LK_POTENZA_PT320

Environmental Proccotol, Humidifier, Dehumidifier

241 SC_HuangMei

242 FRT_AQM1000

243 JiangSu_LYHB_COD

244 TSI_PM25

245 WXT520

246 VAISALA_WXT530_Series

247 LD2_PHRH_RS485

248 TSI_DustTrakII_TCP

249 BHHB_212Serial

250 HJ_212_TCP

251 SC_212_TCPServer

252 Modbus_TGCS

253 SJINT

254 Condair_PH

255 ChengDu_Weather

256 NowAPI_Weather

257 SIMPUSUN

258 ST_Sensus

259 Aeroqual_AQM65

260 TECHNIPLAST_AIR_HANDLING_UNITS

Weight

261 Buhler_MEAF

262 METTLER_TOLEDO_SICS

263 YAOHUA_XK3190_A9

264 XPBalance_ES_20KTS

265 GriffithElder_ContainerTilt

266 SH_ShenHao_465D

267 KELI_KD12_TF7

268 WXRL_SLC

269 METTLER_TOLEDO_C1200_TCP

MQTT Collection

270 MQTT_Lora_TL_ACQ1

271 MQTT_Eastsoft

272 MQTT_NOVUS_LogBoxWiFi

273 MQTT_URSALINK

274 PSpacePlusMQTTPlugin

Support Protocols List

275 MQTT_JXZhiLian_AirCompressor
276 MQTT_trowsoft
277 MQTT_Wanland_URSALINK

Database Collection

278 MySQL
279 MicroSoft_SQL_Server

HTTP Collection

280 Datalogger_HTTP
281 ULBMSCAN_HTTP
282 HTTPS_EZVIZ
283 HTTP_XieZhuApi
284 PRAJNA_HTTP
285 XiAn_XinRiAuto_MT_CN
286 XiAn_XinRiAuto_Water_HTTP
287 KONZESYS_RMCS_HTTP
288 YeeFung_Parking_System
289 JJ_GyuKaku
290 MICROSENSOR
291 LeiyokejiAPI_HTTP
292 HTTP_ChengDu_Weather
293 HTTP_LanZhouLouShui
294 HTTP_EICG
295 HTTP_B_iSolar
296 HTTP_BaoJi
297 HTTP_SunfullEMS
298 HTTP_ZKTeco_K2_100
299 HTTP_REFORMER_OCS
300 HTTP_YunJian
301 HTTP_ZNBPT
302 HTTP_DST_TECH
303 HTTP_Hitachi
304 HTTP_LC_F7200_CGI
305 HTTP_HAILIAN
306 HTTPServer_UOZO_AlarmCenter
307 HTTPServer_REFORMER
308 HTTP_HuiYi_ShuiWuCloud

Other Protocols

309 FFU

310 Panasonic MINAS A5
311 SINOLY JINE_JA05
312 SAUTER_CASE_VAV
313 EMEC_LDPH
314 YuDian_AI_Single_loop
315 Modbus_GreenDaoFenMuJi
316 SOLIN
317 ACTI_SignalSelector
318 N2_VMA
319 Modbus_TG01W
320 Ebara_Densan_S-BCS
321 Modbus_HOLTOP_HDK_09S_BA
322 Projector
323 HeFei_Ahhfat
324 BoosterBoiler_NEURON_NXQ
325 Epson_PJLink
326 AAF_EMBBUS_EC
327 Arspas_FFU
328 SW_5
329 BMS_RICHPOWER
330 BMS_PACE
331 Newell_Technologies_iControl_System
332 Newell_Technologies_HarborGreen
333 Newell_Technologies_PAV_Security
334 Modbus_Maxonic
335 TOA_VX2000_V3
336 LTM9662_485NET
337 Lance_LTM8000
338 CHANG_AI_CI_PC56
339 XZ_DS01_TH2C
340 FCU_485
341 IBT_ModbusRTUClient
342 Systec_SerialProtocol
343 Cibisolar_CA
344 Kaseman GRC
345 Hypersee_Radar
346 Hypersee_Alarm_Radar
347 JinXiang_PowerModule
348 AOK_Motor_Control
349 Hotel_CheckIn_System
350 ESPEC_A_Series

Support Protocols List

351 SHCanYu_485	392 Series_II_Pump
352 CREATECH_CA_AD7	393 XIZI_Elec_NGS500
353 SOMFY_SDN	394 LO5_OPTO5
354 DOOYA_DM35E_485	395 CAN_MEGMEET_MR48300HG
355 Honeywell_Barcode_Scanner	396 Modbus_KY_B
356 FTS_485	397 RAD_ElectricityMeter
357 ELGA_CENTRA	398 GDLION_LFT201_D
358 Curtain_Motor_485	399 ON_LINE_DDM_2050XY
359 Ewig_HT3000D	400 AMADA_MIYACHI_MA_660A
360 LS_Class_Pump	401 EXC_TCP
361 HPGP_PDS_E	
362 Modbus_ZS	
363 OPW_SS1PosProtocols	
364 Atombot_KEBA_TCP	
365 LY_G800_485	
366 ModbusRTU_Honeywell_MVC_80M	
367 ALTEC_AL808_V70	
368 Bluetooth_Mesh	
369 VIDEOJET_TCP	
370 VIDEOJET_TCP2	
371 Atombot_KEBA_TCP	
372 CAN_KOHODO	
373 LY_G800_485 LY-G800	
374 ISPERF_Face_Reognition	
375 Sunfull_Camera_Gateway	
376 IKA_MAXI_MR	
377 JOYO_BJLM_80H	
378 Lontri_485	
379 CAPINTEC_DOSE_CALIBRATOR	
380 BOXUN_HTBUS	
381 Afore_Inverter	
382 Guangzhou_LiKong_Auto_ETH_P	
383 LABTEK_Water_System	
384 SuZhouFeiShi_Sensor_TCP	
385 EBMPAPST_K4	
386 SFGK_AIR_SYSTEM	
387 SZWEICO_2ZB_2L20A	
388 Eldex_Metering_Pumps	
389 RN_MICRO	
390 INFICON_SQC_310	
391 JULABO_NYDEO_DD	

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