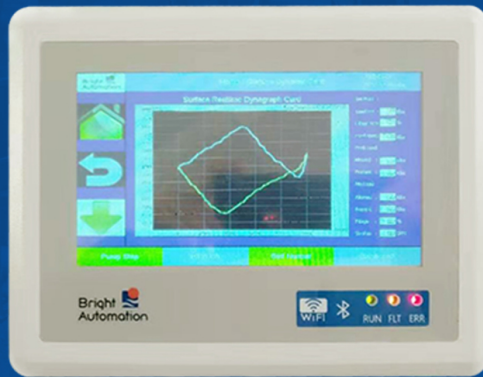


IIOT EDGE CONTROLLER



Features

- Industrial Internet of things
- High speed industrial controller
- Multi analog/digital input and output
- Multi wire/wireless communication
- Edge computing ability
- Failure Diagnosis

Benefits

- Implementation of oilfield IoT system
- Optimized production
- Easy installation and operation

Features Description



NO.	Item	Specifications
1	Power input	12V~24VDC(20%),3A
2	IP rating	IP66 at front panel
3	Temperature	-40~70°C/-40°F~158°F
4	Humidity	0~95%
5	Altitude	3000m

NO.	Item	Specifications
1	CPU	32bit,400MHz ARM Cortex-M7
2	RAM	32M Bytes
3	FLASH	128M Bytes nor 512M Byte nand
4	Indicators	Green, Yellow, Red leds
5	Screen	7" color screen
6	Touch panel	Resistance touch screen

NO.	Item	Specifications
1	Software	Amazon FreeRTOS
2		Web server
3		Ethernet, Modbus TCP Client/Master
4		Modbus remapping capability
5		Wifi, Station/SoftAP/Station+SoftAP

NO.	Item	Specifications	Comment
1	Analogue inputs	0~5V,0~10V,0~20mA,4~20mA	16
2	Analogue outputs	0~5V,0~10V,0~20mA,4~20mA	4
3	Digital inputs	Voltage free contact closures	16
4	Digital outputs	8 Relay contacts ; 2 Solid state contacts	10

NO.	Item	Specifications	Comment
1	Communications	RS232	2
2		RS485	2
3		CAN	1
4		TCP/IP	1
5	Wireless	BLE	1
6		WIFI	1
7		Bright automation 2.4G wireless	1
8		Zigbee	1
9	Extended storage	USB host	1
10		SD	1

NO.	Item	Specifications	Comment
1	RF Certification	FCC/CE-RED/IC/TELEC/KCC/SRRC/NCC	1
2	Wi-Fi Certification	Wi-Fi Alliance 2.4GHz~2.5GHz,802.11b/g/n(802.1n, speed up to 150Mbps)	1
3	BT/BLE Certification	BQB V4.2 BR/EDR and BLE	1
4	RoHS Certification	REACH/RoHS	1

Bright Automation is an energy industry leader in electronic monitoring and control products and systems, offering a broad range of advanced drilling products – including VFDs, SCRs, top drive control systems, and auto-drilling systems – in addition to its industry-leading line of lift control systems.