

Rhine Intelligent Ethernet I/O

Key Features

- Fan-less
- Low Power
- Low Cost
- Touch Panel Total Solution
- Power over Ethernet Support
- LED Backlight Driver
- Wide Dimming Range

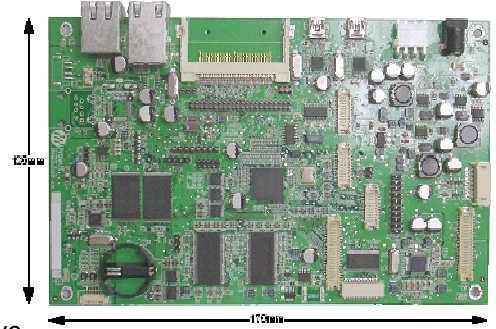
Target Applications

Vending machine, Industry automation, Building automation, Device server Active ethernet I/O, Peer-to-Peer I/O mirror, Integrate PIR sensor and lighting control

Software Features

Event-Condition-Action architecture, Active Ethernet I/O and I/O mirror

Specifications



MCU board	MCU/SoC	STR912FAW(ARM966-96MHz)			
		On chip 544KB Flash, 96KB SRAM			
		RTC		Watchdog timer	
		ADC input, 10bit x 8ch			
		1 x CAN controller		1 x USB client/FS	
		2 x RS232	1 x RS422/485	1 x SPI	1 x IIC
	Ethernet	Ethernet#1	1 x 802.3 10/100T		On chip MAC
		Ethernet#2	2 x 802.3 10/100T, Support Layer 2 Switch Function		
	Battery backup SRAM	256K x 16bit SRAM			
	Non-Volatile Memory	16MB NOR Flash			
JTAG	1 x Connector				
IO board	Timestamp	PLD/FPGA implemented 32 bit timer, with 256KHz clock input			
	DI	24 channel, 5/24V, build in LED status indicator Optional PIR sensor interface			
	DO	32 channel, 5/24V, open collector, build in LED status indicator each DO current sink capacity > 1Amp			
	PWM	Standard version : 4 channel/16 bit share with DO pin. Customized to support 32 channel PWM output, share the same DO pin			
	Counter	4 channel share with DI pin			
	Analog input	8 channel, accept 4~20mA or 0~10V input			
Daughter Boards	PoE	Power over Ethernet powered device			
Temperature	Operating	0°C~70°C. For -20°C~80°C application please contact Promate staff			
	Storage	-20°C~80°C			
Power	Operating Input	10 ~ 32 V/DC, input voltage polarity reversal protection			
Power consumption	MCU board + I/O board	3.6W at 12V input			

Specifications are subject to change for improvement without prior notice. 2009.6 c Promate Electronic Co., Ltd. All Rights Reserved

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