



# AO-20W



## Technical Specifications

Hardware	
TCP server	10/100 Mbps Base T Ethernet <--> RS485 (Auto-detection by order: RS232, RS232+RS485)
Server port 0	Baud rate 2400 bps - 115200 bps  Support TCP/Server, TCP/Client, UDP mode
Server port 1	Baud rate 2400 bps - 115200 bps  Support TCP/Server, TCP/Client, UDP mode
Wiegand port	Up to 96 bits
PoE	No

General	
Connectors	Digital input x 8 Digital output x 4: relay output x1 & digital output x3 (DO1, DO2 = WG data 1, data 0 when using Wiegand protocol)
LED Indicator	9 LEDs for power, communication
Power Input	DC 9 ~ 24V
Power Consumption	Max. 2W
Dimension	106.5(L)X66(W)X27.7(H)
Wiegth	86±5 g
Certification	FCC, CE, RoHs
Operating Temperature	-25°C ~ 85°C (14°F ~ 185°F)
Working Temperature	-20°C ~ 65°C (-4°F ~ 149°F)
Storage Humidity	5%~95%
Working Humidity	20%~90%
Buffer	1K each channel
Surge Protection	Power 30 Volt, bi-directional avalanche breakdown device RS485 6.5 Volt, bi-directional avalanche breakdown device 400W peak power dissipation  Clamping time < 1 picosecond (theoretical)
Fuse Protection	Power PTC 150mA / RS485 PTC 30mA

Software	
Setting	701Server, 701ClientHTTP Web browser
System	Windows 7/8/10, Win Server 2008/2012/2016
Watchdog	Yes, build in watchdog for system error handling