

## A-OS01 Gem Series IP System Outdoor Station

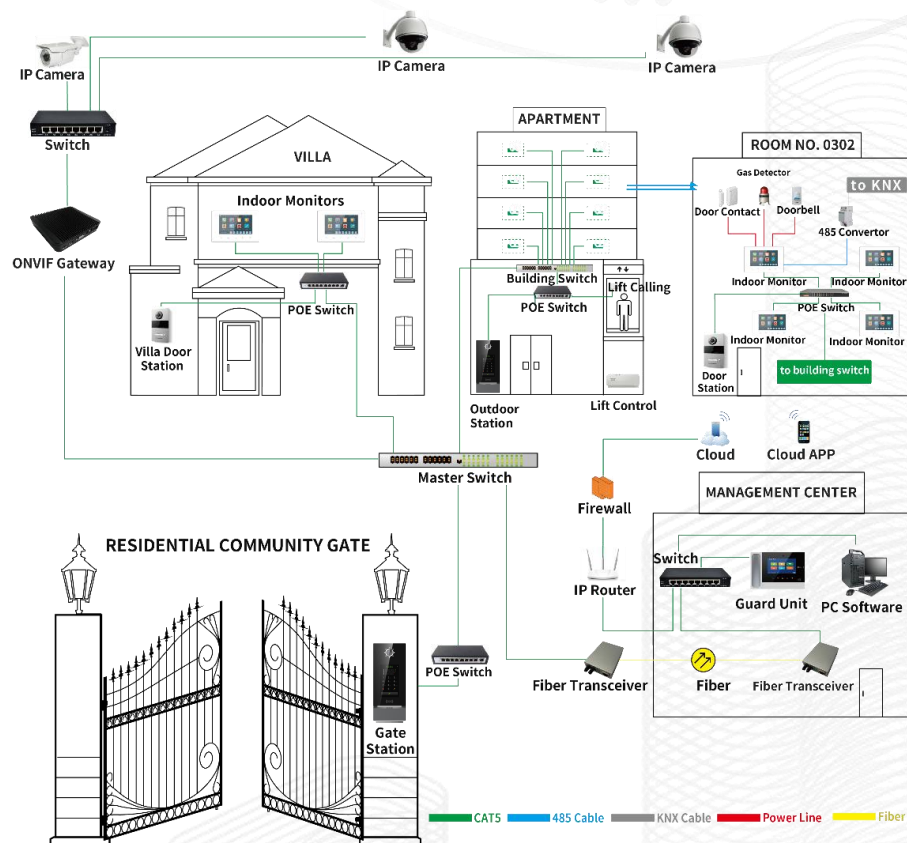


### Key Characteristics

#### Basic Function

- 7" TFT LCD display
- Support IC Card
- Auto fill light with high luminance LED
- Door status detection
- Support normally-closed/ normally-opened unlock
- Support face recognition unlock
- Random password unlock and QR code unlock( Cloud intercom APP required, not included in factory settings)

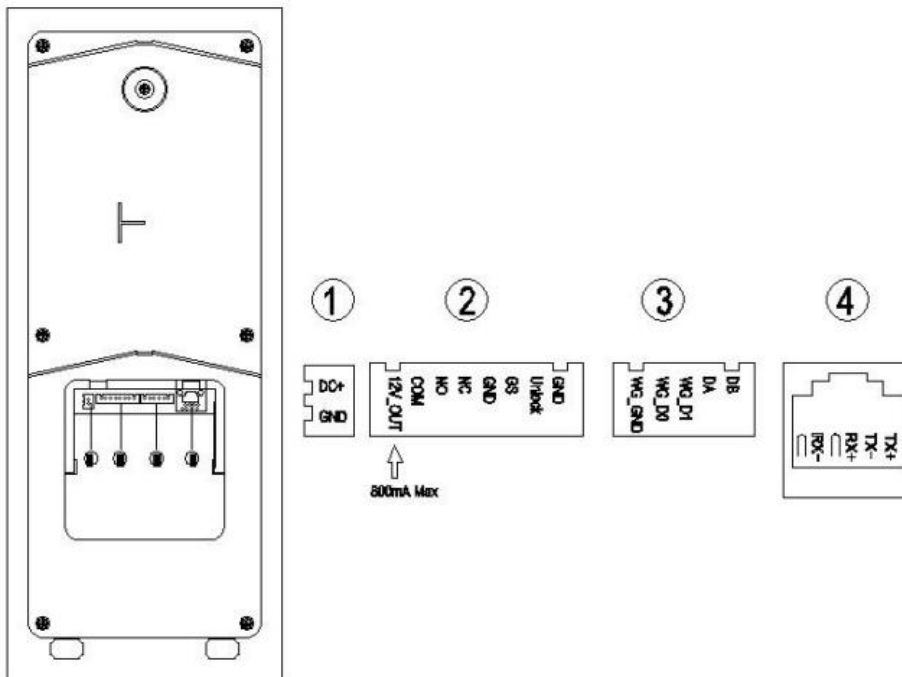
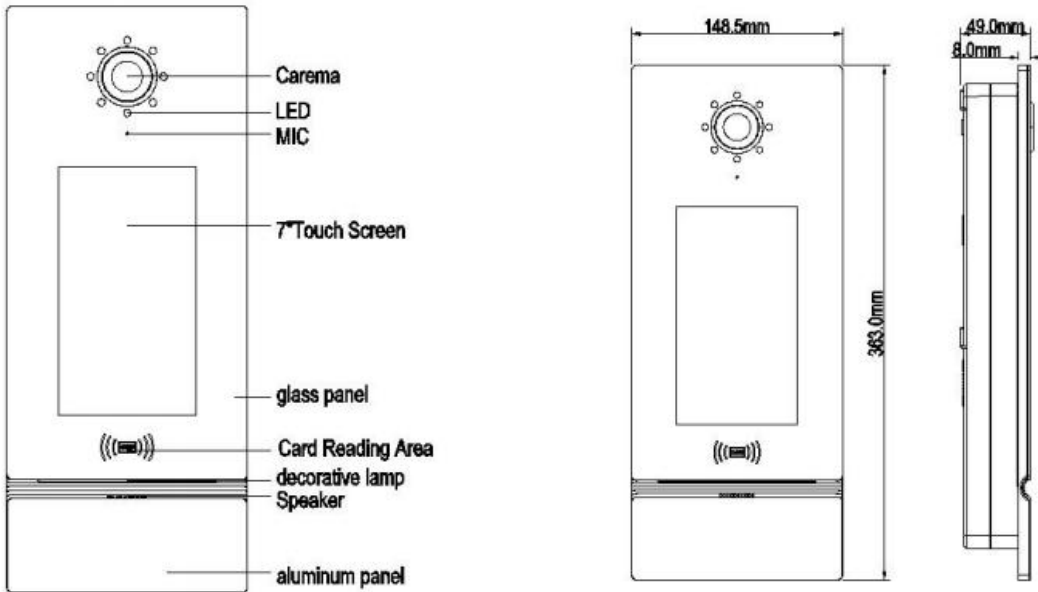
### Typical Topology



## Specifications

<b>Model</b>		A-OS01	
<b>System Parameters</b>	<b>Processor</b>	High-Performance Embedded SOC Processor	
	<b>Operation system</b>	Android Operation System	
<b>Video Parameters</b>	<b>Camera</b>	CMOS 2 MP HD Colorful Camera	
	<b>Video compression standard</b>	H.264	
	<b>Resolution</b>	1600×1200	
	<b>Video frame rate</b>	25 fps	
<b>Audio Parameters</b>	<b>Audio input</b>	Built-in Omnidirectional Microphone	
	<b>Audio output</b>	Built-in Loudspeaker	
	<b>Audio compression standard</b>	G.711 U	
	<b>Audio compression rate</b>	64 Kbps	
	<b>Audio quality</b>	Noise Suppression and Echo Cancellation	
<b>Access Control Parameters</b>	<b>Internal card reader</b>	Built-in IC Card Reader	
	<b>Exit button</b>	Exit Button for Opening the Door	
	<b>Door magnetic detection</b>	Detects Door Magnetic Status	
<b>Light Supplement</b>	<b>Light supplement mode</b>	IR Supplement	Visible Light Supplement
<b>Network Parameters</b>	<b>Ethernet</b>	10/100 Mbps Self-Adaptive Ethernet	
	<b>Network protocol</b>	TCP/IP, RTSP	
<b>Alarm Parameters</b>	<b>Alarm input</b>	Door Magnetic Alarm, Tampering Alarm	
<b>Device Interfaces</b>	<b>Network interface</b>	1 RJ-45 10/100 Mbps Self-Adaptive Ethernet Interface	
	<b>RS-485</b>	1 RS-485 Half-Duplex Port	
	<b>I/O input</b>	+12V	
	<b>I/O output</b>	Door lock, Door status detection, Weigand	
	<b>Material</b>	Aluminum-Alloy	
	<b>Wiegand interface</b>	WG-GND, WG-D0, WG-D1	
	<b>Power supply</b>	DC 24 V	
	<b>Power consumption</b>	≤12 W	
	<b>Working temperature</b>	-40° C to +70° C (-40° F to 158° F)	
	<b>Working humidity</b>	10% to 90%	
	<b>IP protection level</b>	IP54	
	<b>Dimensions (L × W × H)</b>	148.5mm×363mm×47mm	

## Appearance and Interfaces



① Interface for power supply: DC 24V (interface for independent power supply, working voltage DC: 18-30V)

② +12V: Only when the Outdoor Station input voltage > 18V, +12V is given.

COM, NO, NC: Common pin, normally-open pin, and normally-closed pin.

GS: Door status detection.

UNLOCK GND: Unlock Push Button interface.

③ WG-GND, WG-D0, WG-D1: Wiegand interface.

DA, DB: RS485 interface.