

DS-3WF500T-EI-2N/P **2.4GHz 300 Mbps 500m Elevator Wireless Bridge**



This series of devices are suitable for wireless video transmission in elevators.

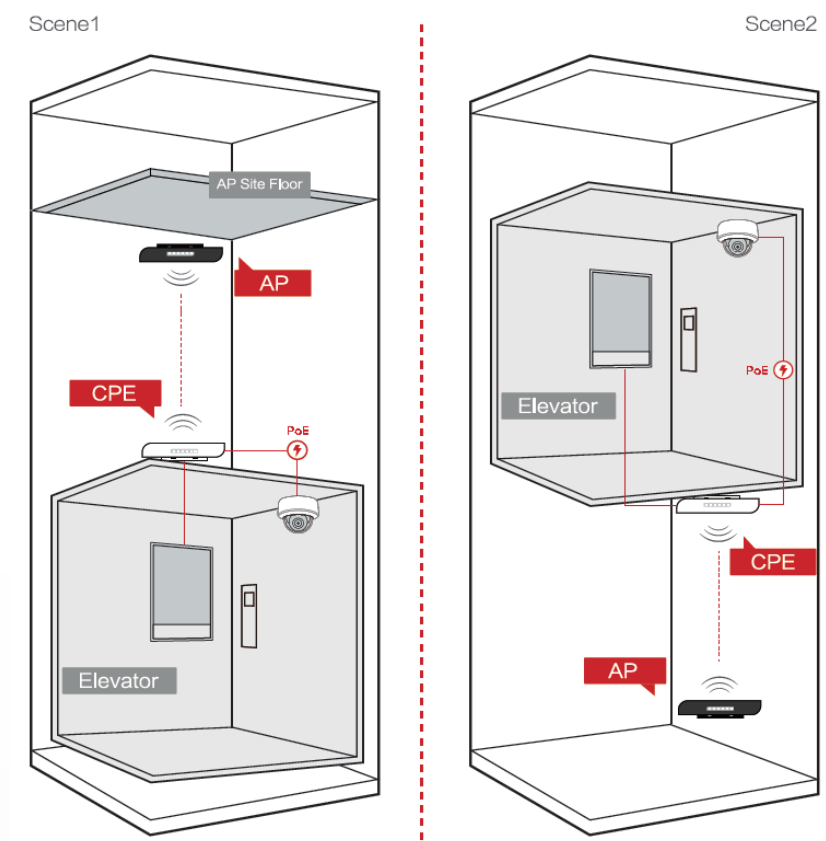
- Up to 500 m wireless transmission distance
- 300 Mbps 802.11n wireless bridge
- Built-in 7 dBi 2 x 2 MIMO antenna
- Visualized topology management
- Standard PoE Input & Output
- Plug and Play

▪ Specification

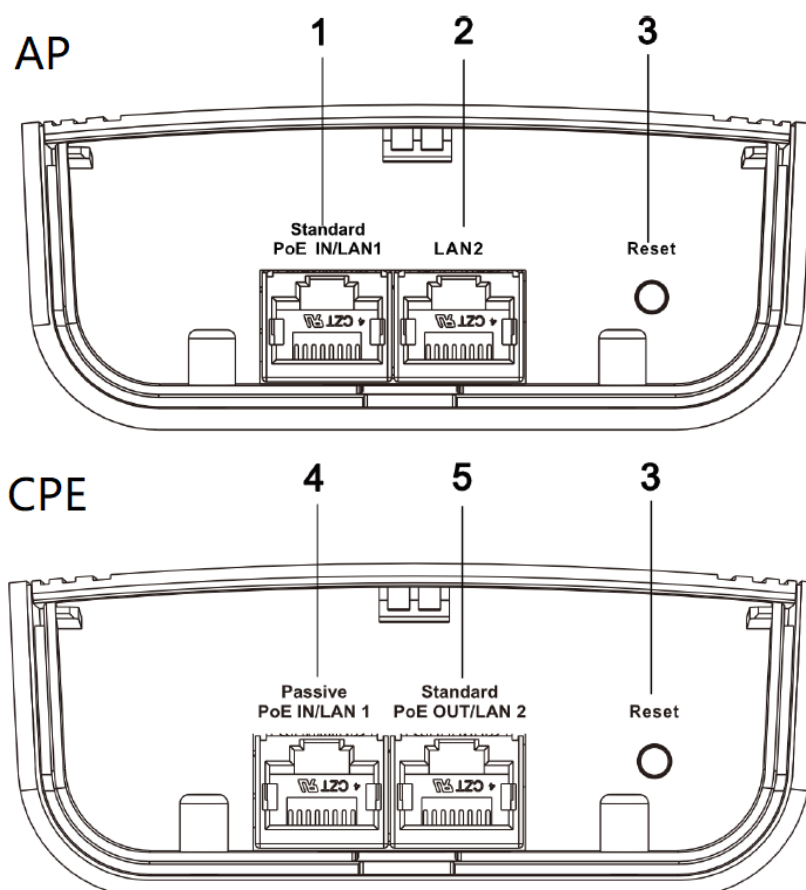
General	
Product Dimensions (W × H × D)	90.8 mm × 187.87 mm × 57.87 mm (3.58" × 7.4" × 2.28")
Package Dimensions (W × H × D)	256 mm × 231 mm × 86 mm (10.07" × 9.09" × 3.38")
Net Weight	0.26 kg (0.57 lb) per device
Gross Weight	1.1 kg (2.43 lb)
Packing List	Wireless Bridge × 2, PoE Power Supply × 2, AC Cord × 2, Quick Start Guide × 1, Regulatory Compliance and Safety Information × 1, Binding Tape × 4
Packing Method	Packing in pairs
Working Temperature	-30 °C to 60 °C (-22 °F to 140 °F)
Working Humidity	5% to 95% (no condensation)
Storage Temperature	-40 °C to 80 °C (-40 °F to 176 °F)
Storage Humidity	5% to 95% (no condensation)
Installation Mode	Pole Mounting
Ingress Protection	IP55
Power Consumption	2.43 W for typical (1-ch 2MP IPC), Max. 3.4 W
Wireless Parameter	
Max. Transmission Rate of Air Interface	≤ 300 Mbps
Wireless Standard	IEEE 802.11b/g/n (2 × 2 MIMO 300 Mbps)
Working Frequency Band	2400 MHz ~ 2483.5 MHz
Antenna Gain	7 dBi
Antenna Angle	(H) Beamwidth [3 dB] 60° (V) Beamwidth [3 dB] 50°
Transmitting Power	22 dBm @11n MCS0 (Note: Transmitting power may vary with local regulations.)
Receiving Sensitivity	-87±2 dBm @HT40 MCS0
Throughput Rate	PTP: ,80 Mbps/0.2 KM(HT40),40 Mbps/0.5 KM(HT40)
PoE Power Supply	
PoE Port	AP: LAN1 802.3af/at PoE IN; CPE: LAN1 passive PoE IN, LAN2 802.3 af PoE OUT
PoE Power Budget	10 W
PoE Distance	100 m
Hardware Parameter	
Network Interface	2 × 10/100 Mbps RJ45 ports
LED Indicator	Power indicator, LAN indicator, Signal intensity indicator
Reset	Hardware resetting button
Power Supply	48V PoE; Check the physical interface image below for more details.
Software Function	
Application Function	IFM, IPM
Channel Width	10/20/40 MHz
Channel Selection	Auto/manual selection
Security Mode	WPA2-PSK
Security Mechanism	Wireless network name hidden
Network Protocol	NTP (network time synchronization), SADP (auto search for IP address), HTTPS/HTTP (web management), SSH (debugging)
Management Method	HCP, Web, HPP, iVMS-4200
System Log	Syslog, Control center information
Upgrade	Web, iVMS-4200, HCP, HPP

HPP	Support one-click activation and remote management via Hik-Partner Pro. Functions supported: 1. Reboot device 2. Restore device 3. Display the topology information 4. Display the connection status between AP and CPEs, including signal intensity, background noise, sending & receiving rate. 5. Configure wireless settings, including working mode, SSID, password, channel, channel bandwidth, transmitting power 6. Bridge alignment 7. Spectrum scanning 8. PoE output management
Approval	
EMC	CE-EMC (EN 55032: 2015+A11: 2020, EN IEC 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011+A1: 2014, EN 55035: 2017+A11: 2020), IC (ICES-003: Issue 7: 2020), RCM (AS/NZS CISPR 32: 2015)
Safety	CB (AMD1: 2009, AMD2: 2013, IEC 62368-1: 2014 (Second Edition)), CE-LVD (EN 62368-1: 2014+A11: 2017)
Chemistry	CE-RoHS (2011/65/EU), WEEE (2012/19/EU), Reach (Regulation (EC) No. 1907/2006)
Radio	EN 301 893, EN 300 440, EN 62311, EN 301 489-3, EN 301 489-17

▪ Typical Application



▪ Physical Interface



No.	Interface/Button	Description
1	Standard PoE IN/LAN 1	The 10/100 Mbps adaptive RJ45 port, also can be used as a standard PoE input port.
2	LAN 2	The 10/100 Mbps adaptive RJ45 port.
3	Reset	Long press for 4 seconds to restore to factory settings.
4	Passive PoE IN/LAN 1	The 10/100 Mbps adaptive RJ45 port, also can be used as a passive PoE input port.
5	Standard PoE OUT/LAN 2	The 10/100 Mbps adaptive RJ45 port, also can be used as a standard PoE output port.

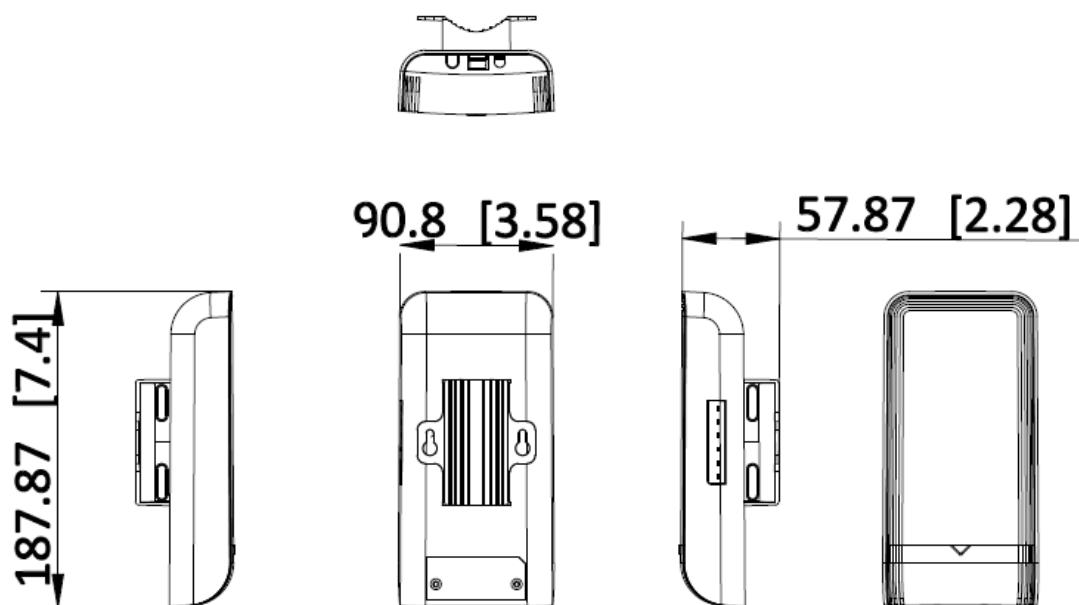
▪ Available Model

DS-3WF500T-EI-2N/P

DS-3WF500T-EI-2N/P-AP

DS-3WF500T-EI-2N/P-ST

▪ Dimension



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