

Wireless Surveillance Solution

WISP/ Enterprise Solution



| | ALINK-5801a V1H | ALINK-24005g V1H | ALINK-502413 |
|----------------------|--|---|---|
| | IEEE 802.11a 200mW Wireless Radio Outdoor Bridge System Integrated with 1 Port Video Server | IEEE 802.11b/g 100mW Wireless Radio Outdoor AP/ Bridge System Integrated with 1 Port Video Server | IEEE 802.11a/b/g Wireless Radio Outdoor Integrated System (1a+3g) |
| Standards Compliance | IEEE 802.11a IEEE 802.3, IEEE 802.3u | IEEE 802.11b/g IEEE 802.3, IEEE 802.3u | IEEE 802.11a/b/g, IEEE 802.3, IEEE 802.3u, IEEE 802.3af |
| SDRAM | 32 M byte | 8 M byte | N/A |
| Flash | 4 M byte | 2 M byte | N/A |
| Modulation | OFDM with BPSK, QPSK, 16QAM, 64QAM | IEEE 802.11b: CCK, DQPSK, DBPSK IEEE 802.11g: OFDM with BPSK, QPSK, 16QAM, 64QAM | IEEE 802.11a/g: OFDM with BPSK, QPSK, 16QAM, 64QAM IEEE 802.11b: CCK, DQPSK, DBPSK |
| Frequency Band | 5.15 ~ 5.35 GHz 5.50 ~ 5.70 GHz 5.725 ~ 5.850 GHz | America FCC: 2.412 ~ 2.462 GHz (11 channels) Europe CE/ETSI: 2.412 ~ 2.472 GHz (13 channels) | IEEE 802.11a: 5.15 ~ 5.25 GHz (lower band) 5.25 ~ 5.35 GHz (middle band) 5.725 ~ 5.825 GHz (hi-band) IEEE 802.11b/g: America FCC: 2.412 ~ 2.462 GHz (11channels) Europe CE/ETSI: 2.412 ~ 2.472 GHz (13channels) |
| Transmission Power | IEEE 802.11a: 23dBm (200mW) | IEEE 802.11b: 20dBm (100mW) IEEE 802.11g: 20dBm (100mW) | IEEE 802.11a: 23dBm (200mW) IEEE 802.11b/g: 20/30dBm (100mW/1W) |
| Transmission Rate | 108 (Turbo mode)/54/48/36/24/18/12/9/6Mbps auto fallback | 108/54/48/36/24/18/12/11/9/6/5.5/2/1Mbps auto fallback | 108 (Turbo mode)/54/48/36/24/18/12/9/6Mbps auto fallback |
| Sensitivity | 6Mbps: -88dBm; 12Mbps: -87dBm; 18Mbps: -84dBm; 24Mbps: -81dBm; 36Mbps: -76dBm; 48Mbps: -72dBm; 54Mbps: -68dBm | -86dBm @ 11Mbps, PER < 8%; -64dBm @ 54Mbps, PER < 10% | 6Mbps: -88dBm; 9Mbps: -87dBm; 12Mbps: -86dBm; 18Mbps: -84dBm; 24Mbps: -81dBm; 36Mbps: -76dBm; 48Mbps: -72dBm; 54Mbps: -68dBm; 108Mbps: -64dBm |
| Antenna Type | External high gain antenna | External high gain antenna | External high gain antenna |
| Wireless Setting | Operation Mode: Wireless Bridge PtP and PtMP Wireless Mode: 11a/Turbo A | Operation Mode: AP/Wireless Client/Repeater/ Bridge PtP and PtMP | Backhaul Operation Mode: Wireless Bridge PtP and PtMP Wireless Mode: 11a/Turbo A AP Operation Mode: AP/Wireless Client/ Repeater/Bridge PtP and PtMP |
| Power | DC 48 Volt ± 5%; 1.37A (Max.); AC adapter AC 100V ~ 240V | DC 15 Volt ± 5%; 2.8A (Max.); AC adapter AC 100V ~ 240V | DC 48 Volt ± 5%; 1.37A (Max.); AC adapter AC 100V ~ 240V |

5.8GHz Solution

FCCE



| | ALINK-5801a | AAP-502401abg |
|----------------------|--|---|
| | IEEE 802.11a 200mW Wireless Radio Outdoor Bridge System | IEEE 802.11a/b/g 100mW Wireless Radio Outdoor AP/Bridge System |
| Standards Compliance | IEEE 802.11a IEEE 802.3, IEEE 802.3u | IEEE 802.11a/b/g, IEEE 802.3, IEEE 802.3u, IEEE 802.3af |
| SDRAM | 32 M byte | 32 M Byte |
| Flash | 4 M byte | 8 M Byte |
| Modulation | OFDM with BPSK, QPSK, 16QAM, 64QAM | IEEE 802.11a/g: OFDM with BPSK, QPSK, 16QAM, 64QAM IEEE 802.11b: CCK, DQPSK, DBPSK |
| Frequency Band | 5.15 ~ 5.35 GHz 5.50 ~ 5.70 GHz 5.725 ~ 5.850 GHz | IEEE 802.11a: 5.15 ~ 5.25 GHz (lower band) 5.25 ~ 5.35 GHz (middle band) 5.725 ~ 5.825 GHz (hi-band) IEEE 802.11b/g: America FCC: 2.412 ~ 2.462 GHz (11channels) Europe CE/ETSI: 2.412 ~ 2.472 GHz (13channels) |
| Transmission Power | IEEE 802.11a: 23dBm (200mW) | IEEE 802.11a/b/g: 20 dBm (100mW) |
| Transmission Rate | 108 (Turbo mode)/54/48/36/24/18/12/9/6Mbps auto fallback | IEEE 802.11a: 6/9/12/18/24/36/48/54/108Mbps IEEE 802.11b: 1/2/5.5/11Mbps IEEE 802.11g: 6/9/12/18/24/36/48/54/108Mbps |
| Sensitivity | 6Mbps: -88dBm; 12Mbps: -87dBm; 18Mbps: -84dBm; 24Mbps: -81dBm; 36Mbps: -76dBm; 48Mbps: -72dBm; 54Mbps: -68dBm | IEEE 802.11a: -70dBm @ 54Mbps, PER<10% IEEE 802.11b: -86dBm @ 11Mbps, PER < 8% IEEE 802.11g: -72dBm @ 54Mbps, PER < 10% |
| Antenna Type | External high gain antenna | Reverse N type female |
| Wireless Setting | Operation Mode: Wireless Bridge PtP and PtMP Wireless Mode: 11a/Turbo A | Operation Mode: AP/Wireless Client/Repeater/ Bridge(WDS) PtP and PtMP (up to 8 links) Wireless Mode: 11a/11b/11g/Super A/Super G |
| Power | DC 48 Volt ± 5%; 1.37A (Max.); AC adapter 100V ~ 240V | DC 48 Volt ± 5%; 0.4A (Max.); AC adapter AC 110V ~ 240V |