

Advantech

Industrial Wireless Solutions

Reliable Wireless Turnkey Solutions for Industrial Applications

- / Product Series
- / Partner Collaboration
- / Design-In Services
- / Case Studies



Wireless Design-In Services



ADVANTECH

Enabling an Intelligent Planet

www.advantech.com

Enabling Seamless Wireless

Advantech Industrial Wireless (AIW) is a leading wireless solution provider for various industries. AIW offers diverse module and antenna solutions, ensuring seamless integration based on their specific requirements.



Agriculture



EV Chargers



Retail



Transportation

One-Stop

RF + Software Total
Wireless Solution

Certification

Fast Support and
Consultation

AIW 100 Series
Wi-Fi 6E / Wi-Fi 7



AIW-170
M.2 2230
E-Key

AIW-171
Mini-PCle

AIW-173
M.2 2230
E-Key

AIW 200 Series
GNSS / GPS



AIW-210
M.2 2242
B-Key

AIW-211
LCC Stamp
Type

AIW-212
Mini-PCle

AIW 300 Series
Cellular Co



AIW-343
FMC/
SIM slot

AIW-344
M.2 3042
B-Key/
SIM

Wireless Connectivity for AIoT

provider empowering edge devices by connecting them via wireless
solutions for different vertical applications and focuses on wireless system
for AIW Design-In service.



Transportation



AGV



Medical



Smart Cities



Antennas

Antenna Assessment,
Design, and Testing

Industrial Wireless

Series Connectivity



AIW-346
052
FMC/
Slot



AIW-357
M.2 3052
B-Key

AIW 400 Series Bluetooth 5.4



AIW-450
LGA Type

AIW 500 Series Industrial Antenna Solution



Antennas for Wi-Fi 6, 6E, 7,
GPS/GNSS, 4G LTE, 5G NR,
Bluetooth, and RF cables

AIW Product Series

Designed for Your AIoT Solutions

The AIW product portfolio is composed of Wi-Fi, GNSS, cellular, Bluetooth, and antennas. AIW products are specifically developed for industrial applications to help customers enhance production efficiency, reduce costs, enhance security, and offer more reliable connectivity and better data analysis for real-time decision-making. These products are typically integrated in areas such as factory automation, logistics, infrastructure, and monitoring systems for healthcare. This results in more intelligent, efficient, economical, and safe operation.



Wi-Fi 6E / Wi-Fi 7

AIW-100 Series

- Well-established standard
- High indoor network coverage
- High-speed connection
- Made for industrial applications



AIW-170



AIW-173



Throughput enhancement

Data rates are up to 5.8Gbps to fulfill most demands of 4K/8K video streaming and advanced medical image transfer via Wi-Fi. This enables multiple connections while also being cost-effective and efficient.



Latency improvement

New technologies are included like preamble puncturing introduced with Wi-Fi 7. Latency of less than 10ms can be achieved with a stable connection via Wi-Fi for factory automation and AGV.



Ready-to-go certificate

Universal certificates save time and effort on design.



GNSS/GPS

AIW-200 Series

- Outdoor area with good coverage
- Ideal for hostile environments
- Multi-GNSS engine for GPS, GLONASS, Galileo, BeiDou, QZSS, and SBAS



AIW-210



AIW-213



Excellent precision

Exceptional sensitivity and acquisition times for L1 frequency



Dead reckoning function

Enables smooth navigation and tracking in shadowed areas



Industrial-grade wide temperature range

-40~85°C operating temp range



Cellular Connectivity

AIW-300 Series

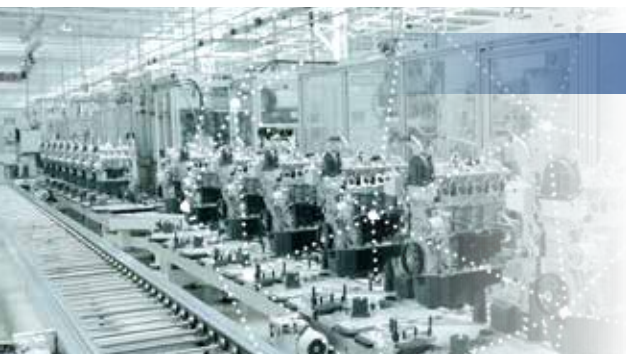
- Wide spectrum efficiency
- High traffic capacity
- Fastest connection speeds
- Excellent longevity support



AIW-343



AIW-357



Bluetooth 5.4

AIW-400 Series

- Upward compatible with BT 5.4
- PaWR support for ESL applications
- Supports Bluetooth mesh



AIW-450



Industrial Antenna Solution

AIW-500 Series

- Fits perfectly with AIW module solutions
- No MOQ limit
- Design consultancy and testing service
- Waterproof option for critical environments



AIW-512



AIW-532



AIW-520

Partner Collaboration and Wireless Design-In Services

AIW is revolutionizing IoT development with its Wireless Design-In Services, set to transform wireless connectivity for IoT devices. Through collaborations with strategic partners, testing is sped up and manufacturing is simplified. It comprises four parts: solution assessment, RF and antenna design, system integration, and certification acquisition. AIW is especially impactful in RF design, testing, and certification. There is a dedicated team to mitigate any potential issues, minimizing schedule disruptions and costs for customers in various verticals.

Qualcomm

Dev Singh

VP & GM of Industrial
Enterprise & Building
Automation
Qualcomm
Technologies, Inc.



We are excited to collaborate with Advantech in delivering cutting-edge Wi-Fi 7 and 5G solutions that empower the next generation of industrial applications. Our joint commitment to technological advancement fuels our anticipation for continued collaboration, driving innovative and competitive solutions to market.



NORDIC[®]
SEMICONDUCTOR

Bjorn Bob Brandal

VP of Sales and
Marketing, APAC
Nordic
Semiconductor



Advantech offers a comprehensive set of products and services and is known for excellent support and follow-up to its customers. We're proud to partner and maintain a strong collaboration with a team with the same values as Nordic Semiconductor. Together, we will continue to advance technology and achieve next-level intelligent solutions with low power consumption and wireless excellence.

LITEPOINT

John Lukez

President
LitePoint
Corporation



Advantech and LitePoint are reshaping the IoT development landscape through their cutting-edge Wireless Design-in Service. By joining forces, the collaboration strengthens wireless design and validation capabilities, accelerates testing cycles, and simplifies manufacturing processes. This strategic cooperation represents a significant leap forward in IoT innovation, underscoring the unwavering commitment of both companies to delivering advanced and accessible wireless solutions.

BT

GNSS

5G

LoRa

Wi-Fi



Leading

Industrial Wireless Solution Provider



Robust RD Capability

for Design-In Service



Strong Partnership

for A+ Products & Speed to Market

Antenna Customization Service

- Requirement assessment, antenna placement evaluation
- Throughput optimization, radiation pattern and isolation testing

Global Certification Service

- Cost reduction via early assessment and wireless kit selection
- Pre-test and troubleshooting during the certification process

Qualcomm

NXP

intel

MEDIATEK

REALTEK

NORDIC
SEMICONDUCTOR

LITEPOINT

Aristotle
Enterprises Inc.

Empower Electric Charging Stations

AIW 100 Wi-Fi & 500 Antenna Solutions



Application Requirements

EV Chargers require wireless connectivity for timely firmware and status updates. Whether the platform is Linux or Android, OTA firmware upgrades, status reports, and remote control via apps are all essential to EV chargers.

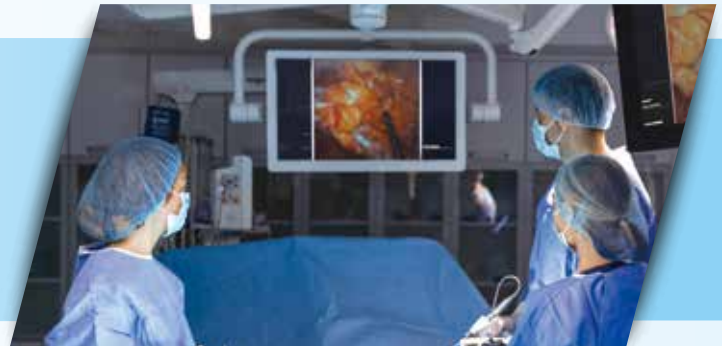
Success Factors

- Multi-OS support including Android, Linux, and Windows
- Universal certification support for the global market
- IP66 waterproof antenna design for outdoor application



Medical Endoscope

AIW 100 Wi-Fi & 500 Antenna Solutions

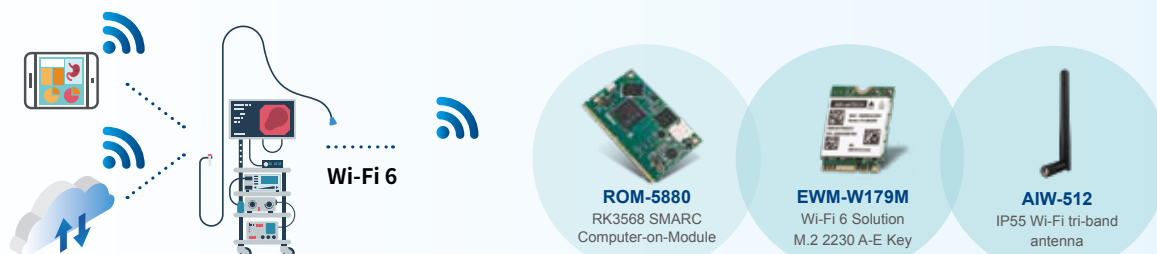


Application Requirements

The most modern edge medical endoscopes are equipped with wireless functionality like Wi-Fi and BT. Through advanced wireless connectivity, data transmission for endoscopes can be realized without space and environmental limitations. Customers can also provide connectivity to other devices via softAP mode.

Success Factors

- The driver integrates with Android 12 to speed up development time-to-market
- Ultra-high speed and extreme low latency of Wi-Fi 6 technology for real-time video streaming applications



Smart Rail Monitoring and Dispatching System

AIW 300 Cellular & 500 Antenna Solutions

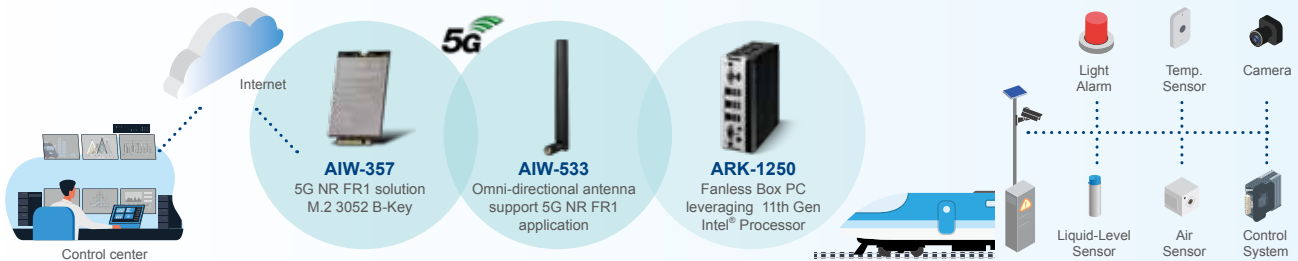


Application Requirements

Smart rails optimize road traffic, enhance safety, and ensure punctual public transportation. AIW-357 is compatible with high-speed, low-latency communication networks for smart rail applications. Utilizing sensors and cameras, it enables video analysis, real-time monitoring, remote control, and predictive warnings, setting a 5G+ benchmark for smart rail transportation.

Success Factors

- High speed and low-latency enables real-time monitoring
- Wide operating temperature supports outdoor and harsh environments



Industrial Drones

AIW 200 GNSS & 500 Antenna Solutions

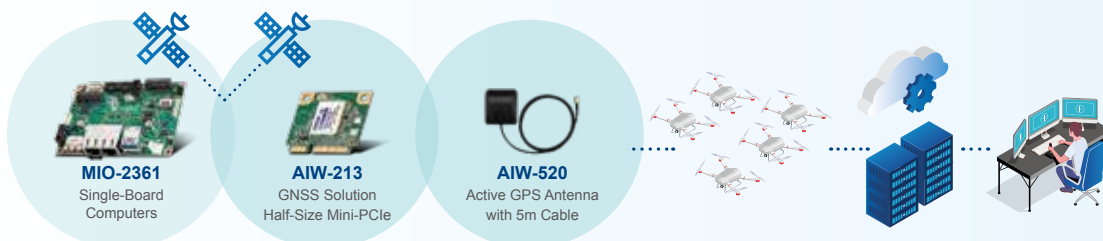


Application Requirements

In sectors such as agriculture, defense, and smart cities, AIW-213 boosts industrial drone performance. With precise altitude accuracy and its dead reckoning feature, it can communicate with multiple satellites to obtain faster location updates. This ensures high efficiency and yield optimization in applications like smart agriculture.

Success Factors

- Supports industrial operating temperatures (-40 ~ 85°C)
- Supports dead reckoning function



Industrial Wireless Solutions

AIW 100 Series

Wi-Fi and Bluetooth Combo



Model Name	AIW-162BS	EWM-W165M201E	AIW-170BQ	AIW-171HQ	EWM-W179M201E	EWM-W180H01E
Chipset	BCM43752	Intel AX210	WCN6856	WCN6856	RTL8852BE	RTL8822CU
Wireless Generation	Wi-Fi 6+BT 5.0	Wi-Fi 6E+BT 5.3	Wi-Fi 6E+BT 5.3	Wi-Fi 6E+BT 5.3	Wi-Fi 6+BT 5.2	Wi-Fi 5+ BT 5.0
Form Factor	M.2 2230 E-Key	M.2 2230 A+E Key	M.2 2230 E-Key	Half-Size Mini-PCle	M.2 2230 A+E Key	Half-Size Mini-PCle
Interface	Wi-Fi: PCIe BT: UART	Wi-Fi: PCIe BT: USB	Wi-Fi: PCIe BT: USB	Wi-Fi: PCIe BT: USB	Wi-Fi: PCIe BT: USB	Wi-Fi: USB BT: USB
Antenna Information	2 x MHF4 connectors	2 x MHF4 connectors	2 x MHF4 connectors	2 x MHF1 connectors	2 x MHF4 connectors	2 x MHF1 connectors
Advanced Security	WPA/WPA2/WPA3					WPA/WPA2
Operating Temperature Range	-40 ~ 85°C	0 ~ 70°C	-40 ~ 85°C		0 ~ 70°C	-20 ~ 70°C
OS Support*	Linux/Android	Windows/Linux on X86	Windows/Linux	Windows/Linux	Windows/Linux/Android	Windows/Linux/Android
Maximum Data Rate**	1200Mbps					866Mbps
Certification	FCC/CE/IC/TELEC	Multiple certificates authorized by Intel	FCC/CE/IC/TELEC/NCC/KC	FCC/CE/IC	Multiple certificates authorized by Realtek	FCC/CE/IC/TELEC
Recommended Antenna	AIW-512	AIW-511	AIW-512			

* Some features are only supported in Windows 11 and Windows 7 is no longer on the ADV support list. Linux support depends on the kernel version.

**Maximum data rate is based on the theoretical value of Wi-Fi technology.

AIW 200 Series

GPS / GNSS



Model Name	AIW-210	AIW-212	AIW-213
Part Number	AIW-210XU-001	AIW-212HU-001	AIW-213HU-001
Chipset	NEO-M9N	NEO-M9N	NEO-M9V
GPS Signal Type	L1	L1	L1
Form Factor	M.2 2242 B-Key	Half-Size Mini-PCle	Half-Size Mini-PCle
Signal Protocol	USB 2.0	USB 2.0	USB 2.0
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
RF Receiver Type	GPS module, multi-GNSS (GPS/BeiDou/Galileo/GLONASS/QZSS/SBAS)	GPS module, multi-GNSS (GPS/BeiDou/Galileo/GLONASS/QZSS/SBAS)	GPS module, multi-GNSS (GPS/BeiDou/Galileo/GLONASS/QZSS/SBAS)
GPS Acquisition	Cold Start: 24s, Hot Start: 2s, Aided Start: 2s	Cold Start: 24s, Hot Start: 2s, Aided Start: 2s	Cold Start: 24s, Hot Start: 2s, Aided Start: 3s
GPS Accuracy	1.5m CEP with SBAS assistance	1.5m CEP with SBAS assistance	1.5m CEP with SBAS assistance
GPS Sensitivity	Tracking & Navigation: -167 dBm Reacquisition: -160 dBm Cold Start: -148 dBm	Tracking & Navigation: -167 dBm Reacquisition: -160 dBm Cold Start: -148 dBm	Tracking & Navigation: -159 dBm Reacquisition: -158 dBm Cold Start: -147 dBm
Dead Reckoning	No	No	Yes
Antenna Information	1 x MHF1 connectors	1 x MHF1 connectors	1 x MHF1 connectors
Recommended Antenna	AIW-520	AIW-520	AIW-520

Industrial Wireless Solutions

AIW 300 Series

4G LTE CAT6



NEW

Model Name	AIW-340
Part Number	AIW-340CQ-GI1
Chipset	Qualcomm SDX12
Radio Technology	LTE Cat.6 + GPS
Form Factor	M.2 3042 B-Key
SIM Slot	No
Signal Protocol	USB 3.1
Downlink/Uplink	600Mbps/150Mbps
Frequency Band	LTE FDD: Band 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 18, 19, 20, 25, 26, 28, 29, 32, 66, 71 LTE TDD: Band 38, 39, 40, 41, 42, 43, 48 WCDMA: Band 1, 2, 4, 5, 6, 8, 9, 19
Operating Temperature	Extended: -40°C ~ 85°C
Support Area	Global
Antenna Information	2 x MHF4 connectors
Recommended Antenna	AIW-531

4G LTE CAT4



Model Name	AIW-343		
Part Number	AIW-343FQ-N01	AIW-343FQ-E01	AIW-343FQ-J01
Chipset	Qualcomm MDM9X07	Qualcomm MDM9X07	Qualcomm MDM9X07
Radio Technology	LTE Cat.4 + GPS	LTE Cat.4 + GPS	LTE Cat.4 + GPS
Form Factor	Full-size Mini-PCle	Full-size Mini-PCle	Full-size Mini-PCle
SIM Slot	Yes	Yes	Yes
Signal Protocol	USB 2.0	USB 2.0	USB 2.0
Downlink/Uplink	150Mbps/50Mbps	150Mbps/50Mbps	150Mbps/50Mbps
Frequency Band	4G: Band 2, 4, 5, 12, 13, 14, 66, 71 3G: Band 2, 4, 5	4G: Band 1, 3, 7, 8, 20, 28A 3G: Band 1, 3, 8 2G: Band 3, 8	4G: Band 1, 3, 5, 8, 9, 18, 19, 26, 28 3G: Band 1, 5, 6, 8, 19
Operating Temperature	Extended: -40°C ~ 85°C	Extended: -40°C ~ 85°C	Extended: -40°C ~ 85°C
Support Area	NA	EU, TW	JP, Australia
Antenna Information	3 x MHF1 connectors	3 x MHF1 connectors	3 x MHF1 connectors
Recommended Antenna	AIW-531	AIW-531	AIW-531

Industrial Wireless Solutions

4G LTE CAT4



Model Name	AIW-344		
Part Number	AIW-344FQ-N01	AIW-344FQ-E02	AIW-344FQ-J01
Chipset	Qualcomm MDM9X07	Qualcomm MDM9X07	Qualcomm MDM9X07
Radio Technology	LTE Cat.4 + GPS	LTE Cat.4 + GPS	LTE Cat.4 + GPS
Form Factor	Full-size Mini-PCle	Full-size Mini-PCle	Full-size Mini-PCle
SIM Slot	No	No	No
Signal Protocol	USB 2.0	USB 2.0	USB 2.0
Downlink/Uplink	150Mbps/50Mbps	150Mbps/50Mbps	150Mbps/50Mbps
Frequency Band	LTE FDD: Band 2,4,5,12,13,17,66,71 WCDMA: Band 2,4,5	FDD-LTE: Band 1,3,5,7,8,20,28 TDD-LTE: Band 38,40,41 HSPA/UMTS: Band 1,5,8 GSM/GPRS/EDGE850/900/1800MHz	LTE FDD: band1,3,8,11,18, 19,21,26,28 LTE TDD: Band41 WCDMA/HSPA+: Band1,6,8,19
Operating Temperature	Extended: -40°C ~ 85°C	Extended: -40°C ~ 85°C	Extended: -40°C ~ 85°C
Support Area	NA	EU, TW, Australia, Brazil	JP
Antenna Information	3 x MHF1 connectors	3 x MHF1 connectors	3 x MHF1 connectors
Recommended Antenna	AIW-531	AIW-531	AIW-531



Model Name	AIW-346	
Part Number	AIW-346FQ-N01	AIW-346FQ-N02
Chipset	Qualcomm MDM9X07	Qualcomm MDM9X07
Radio Technology	LTE Cat.4 + GPS	LTE Cat.4 + GPS
Form Factor	Full-size Mini-PCle	M.2 3052 B-Key
SIM Slot	Yes	Yes
Signal Protocol	USB 2.0	USB 2.0
Downlink/Uplink	150Mbps/50Mbps	150Mbps/50Mbps
Frequency Band	LTE bands: 2/4/5/12/13/14/66/71 WCDMA bands: 2/4/5	LTE bands: 2/4/5/12/13/14/66/71 WCDMA bands: 2/4/5
Operating Temperature	-30 ~ 80°C	-30 ~ 80°C
Support Area	US	US
Antenna Information	3 x MHF1 connectors	3 x MHF1 connectors
Recommended Antenna	AIW-531	AIW-531

Industrial Wireless Solutions

5G NR FR1



Model Name	AIW-356			
Part Number	AIW-356DQ-N01	AIW-356DQ-E01	AIW-356DQ-C01	AIW-356DQ-JK1
Chipset	Qualcomm SDX62	Qualcomm SDX62	Qualcomm SDX62	Qualcomm SDX62
Radio Technology	5G FR1 + GPS	5G FR1 + GPS	5G FR1 + GPS	5G FR1 + GPS
Form Factor	M.2 3052 B-Key	M.2 3052 B-Key	M.2 3052 B-Key	M.2 3052 B-Key
SIM Slot	No	No	No	No
Signal Protocol	USB 3.1	USB 3.1	USB 3.1	USB 3.1
Downlink/Uplink	Max DL peak rate 3.47 Gbps, Max UL peak rate 555 Mbps	Max DL peak rate 3.2 Gbps, Max UL peak rate 555 Mbps	Max DL peak rate 2.4 Gbps, Max UL peak rate 555 Mbps	Max DL peak rate 3.2 Gbps, Max UL peak rate 555 Mbps
Frequency Band	NSA: n2/5/12/25/30/41/66/71/77 SA: n2/5/12/14/25/30/41/48/66/70/71/77 TDD-LTE: Band 41/48/46 (LAA) FDD-LTE: Band 2/4/5/12/13/29/30/66/71	NSA: n1/3/5/7/8/20/28/38/40/77/78 SA: n1/3/5/7/8/20/28/38/40/41/75/76/77/78 TDD-LTE: Band 38/40/41/42/43 FDD-LTE: Band 1/3/5/7/8/20/28/32 WCDMA: Band 1/5/8	NSA: n41/78/79 SA: n1/28/41/78/79 TDD-LTE: Band 34/38/39/40/41 FDD-LTE: Band 1/3/5/8 WCDMA: Band 1/8	NSA: n1/3/28/41/77/78/79 SA: n1/3/7/8/28/41/77/78/79 TDD-LTE: Band 39/41/42 FDD-LTE: Band 1/3/5/7/8/18/19/26/28
Operating Temperature	Extended: -40°C ~ 85°C	Extended: -40°C ~ 85°C	Extended: -40°C ~ 85°C	Extended: -40°C ~ 85°C
Support Area	NA	EU, Brazil	China	JP, South Korea
Antenna Information	4 x MHF4 connectors	4 x MHF4 connectors	4 x MHF4 connectors	4 x MHF4 connectors
Recommended Antenna	AIW-532	AIW-532	AIW-532	AIW-532



Model Name	AIW-357	
Part Number	AIW-357DK-G1P	AIW-357DK-G2U
Chipset	MediaTek T700	MediaTek T700
Radio Technology	5G FR1 + GPS	5G FR1 + GPS
Form Factor	M.2 3052 B-Key	M.2 3052 B-Key
SIM Slot	No	No
Signal Protocol	PCIe	USB 3.1
Downlink/Uplink	Max DL peak rate 2.97 Gbps, Max UL peak rate 1150 Mbps	Max DL peak rate 2.97 Gbps, Max UL peak rate 1150 Mbps
Frequency Band	NSA: n1/2/3/5/8/20/28/38/41/66/71/77/78/79 SA: n1/2/3/5/7/8/20/25/28/30/38/40/41/48/66/71/ 77/78/79 LTE: B1/2/3/4/5/7/8/12/13/ 14/17/18/19/20/25/26/ 28/29/30/32/34/38/39/ 40/41/42/43/46/48/66/ 71 WCDMA: Band 1/2/4/5/8	NSA: n1/2/3/5/8/20/28/38/41/66/71/77/78/79 SA: n1/2/3/5/7/8/20/25/28/30/38/40/41/48/66/71/ 77/78/79 LTE: B1/2/3/4/5/7/8/12/13/ 14/17/18/19/20/25/26/ 28/29/30/32/34/38/39/ 40/41/42/43/46/48/66/ 71 WCDMA: Band 1/2/4/5/8
Operating Temperature	Extended: -30 ~ 80°C	Extended: -30 ~ 80°C
Support Area	US, EU, TW, JP	US, EU, TW, JP
Antenna Information	4 x MHF4 connectors	4 x MHF4 connectors
Recommended Antenna	AIW-533	AIW-533

Industrial Wireless Solutions

AIW 500 Series

Antennas



Model Name	AIW-512	AIW-513	AIW-520
Antenna Type	Dipole	Dipole	Patch
Frequency	2.4-2.5GHz, 5.15-5.85GHz 5.925-7.125GHz	2.4-2.5GHz, 5.15-5.85GHz 5.925-7.125GHz	L1: 1575.42MHz B2: 1561.098MHz GNSS: 1602MHz
Antenna Peak Gain	2.87dBi @2.4GHz 3.11dBi @5GHz 3.22dBi @6GHz	2.06dBi @2.4-2.5GHz, 4.16dBi @5.15-5.85GHz, 4.61dBi @6-7.125GHz	Antenna: 3dBicLNA: 28+/- 2db
Length (cm)	11.1 x 1.0	23 x 2.2	2.5*2.5*0.4wire length: 500 cm
Connector	RP-SMA male	RP-SMA male	SMA male
IP Level	IP55	IP65	-
Operating Temperature	-10 ~ 55°C	-40 ~ 70°C	-40 ~ 85°C



Model Name	AIW-532	AIW-533	AIW-535
Antenna Type	Dipole	Dipole	Dipole
Frequency	699~960MHz, 1710~2700MHz, 3300~5000MHz, 5150~5850MHz	0.6-6GHz	699~960MHz, 1710~2700MHz, 3300~5000MHz, 5150~5850MHz
Antenna Peak Gain	1.78dBi @699~960MHz, 3.27dBi @1710~2700MHz, 0.18dBi @3300~5000MHz, 4.02dBi @5150~5850MHz	2dBi @617~960MHz, 2.6dBi @1450~2700MHz, 3.5dBi @3300~5000MHz, 3.7dBi @5150~5850MHz	1.49dBi @699~960MHz, 2.62dBi @1710~2700MHz, 3.59dBi @3300~5000MHz, 3.83dBi @5150~5850MHz
Length (cm)	13 x 2.5	13.4 x 1.9	23 x 2.2
Connector	SMA male	SMA male	SMA male
IP Level	-	-	IP65
Operating Temperature	-25 ~ 70°C	-30 ~ 65°C	-40 ~ 70°C

Memo

Regional Service and Customization Centers

China	Kunshan 86-512-5777-5666	Taiwan	Taipei 886-2-2792-7818	Netherlands	Eindhoven 31-40-267-7000	Poland	Warsaw 00800-2426-8080	USA	Milpitas, CA 1-408-519-3898
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Worldwide Offices

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Shanghai	86-21-3632-1616
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Hong Kong	852-2720-5118

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Nogata	81-949-22-2890
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Singapore	65-6442-1000
Malaysia	
Kuala Lumpur	60-3-7725-4188
Penang	60-4-537-9188
Thailand	
Bangkok	66-02-2488306-9
Vietnam	
Hanoi	84-24-3399-1155
Hochiminh	84-28-3836-5856
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Pune	91-94-2260-2349

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Eindhoven	31-40-267-7000
Breda	31-76-523-3100
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Munich	49-89-12599-0
Düsseldorf	49-2103-97-855-0
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Paris	33-1-4119-4666
Italy	
Milan	39-02-9544-961
UK	
Newcastle	44-0-191-262-4844
London	44-0-870-493-1433
Spain	
Madrid	34-91-668-86-76
Sweden	
Stockholm	46-0-864-60-500
Poland	
Warsaw	48-22-31-51-100
Russia	
Moscow	8-800-555-01-50
St. Petersburg	8-812-332-57-27
	8-921-575-13-59
Czech Republic	
Ústí nad Orlicí	420-465-524-421
Ireland	
Galway	353-91-792444

Americas

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Toll Free	1-888-576-9668
Boston	1-949-420-2531
Chicago	1-888-576-9668
Cincinnati	1-513-742-8895
Irvine	1-949-420-2500
Milpitas	1-408-519-3898
Ottawa	1-815-433-5100
Brazil	
Toll Free	0800-770-5355
São Paulo	55-11-5592-5367
Mexico	
Toll Free	1-800-467-2415
Mexico City	52-55-6275-2777
Middle East and Africa	
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Turkey-Bursa	90-224-413-3134



Enabling an Intelligent Planet

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