

## WEA403i



|                                   |                                                                                                                                                                                                                                |         |       |      |       |       |       |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|------|-------|-------|-------|
| Radio Specifications              | 802.11a/b/g/n/ac<br>Dual concurrent radio<br>3 x 3 MIMO, 3 spatial streams<br>PHY data rates up to 1.3 Gbps<br>Dynamic frequency selection (DFS)<br>802.11n high throughput (HT20/40)<br>802.11ac high throughput (HT20/40/80) |         |       |      |       |       |       |
| Operation Mode                    | Controlled Mode, Stand-alone Mode                                                                                                                                                                                              |         |       |      |       |       |       |
| Supported Wireless LAN Controller | WEC8500 Series<br>WEC8050 Series                                                                                                                                                                                               |         |       |      |       |       |       |
| RF Monitoring                     | Dedicated RF and security monitoring module in AP                                                                                                                                                                              |         |       |      |       |       |       |
| Data Rates                        | 802.11a : 6,9,12,18,24,36,48 and 54 Mbps<br>802.11g : 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48 and 54 Mbps<br>802.11n : MCS 0 to MCS 23 (6.5 Mbps ~450 Mbps)<br>802.11ac : MCS 0 to MCS 9 (6.5 Mbps ~ 1.3Gbps)                  |         |       |      |       |       |       |
| Frequency Band                    | 802.11b/g/n : 2.412 GHz ~ 2.472 GHz 13 CH<br>802.11a/n/ac : 5.180 GHz ~ 5.825 GHz 24 CH<br>* Available channel is compliant with local domain regulatory                                                                       |         |       |      |       |       |       |
| Maximum Transmit Power            | 23 dBm @ 3 streams (5 ~ 23 dBm)<br>* The maximum transmit power will vary by channel and according to individual country regulation                                                                                            |         |       |      |       |       |       |
| Receive Sensitivity               | Rate                                                                                                                                                                                                                           | 2.4 GHz | 5 GHz |      |       |       |       |
|                                   |                                                                                                                                                                                                                                | HT20    | HT20  | HT40 | VHT20 | VHT40 | VHT80 |
|                                   | MCS 0                                                                                                                                                                                                                          | -91     | -93   | -90  |       |       |       |
|                                   | MCS 7                                                                                                                                                                                                                          | -71     | -73   | -70  |       |       |       |
|                                   | MCS 8                                                                                                                                                                                                                          | -88     | -90   | -87  |       |       |       |
|                                   | MCS 15                                                                                                                                                                                                                         | -68     | -70   | -67  |       |       |       |
|                                   | MCS 16                                                                                                                                                                                                                         | -86     | -88   | -85  |       |       |       |
|                                   | MCS 23                                                                                                                                                                                                                         | -66     | -68   | -65  |       |       |       |
|                                   | MCS 0/NSS1                                                                                                                                                                                                                     |         |       |      | -93   | -90   | -86   |
|                                   | MCS 7/NSS1                                                                                                                                                                                                                     |         |       |      | -73   | -70   | -67   |
|                                   | MCS 8/NSS1                                                                                                                                                                                                                     |         |       |      | -68   | -66   | -63   |
|                                   | MCS 9/NSS1                                                                                                                                                                                                                     |         |       |      | NA    | -64   | -61   |
|                                   | MCS 0/NSS2                                                                                                                                                                                                                     |         |       |      | -90   | -87   | -83   |
|                                   | MCS 7/NSS2                                                                                                                                                                                                                     |         |       |      | -70   | -67   | -64   |
|                                   | MCS 8/NSS2                                                                                                                                                                                                                     |         |       |      | -65   | -63   | -60   |
|                                   | MCS 9/NSS2                                                                                                                                                                                                                     |         |       |      | NA    | -61   | -58   |
|                                   | MCS 0/NSS3                                                                                                                                                                                                                     |         |       |      | -88   | -85   | -82   |
|                                   | MCS 7/NSS3                                                                                                                                                                                                                     |         |       |      | -68   | -65   | -62   |
|                                   | MCS 8/NSS3                                                                                                                                                                                                                     |         |       |      | -64   | -61   | -58   |
|                                   | MCS 9/NSS3                                                                                                                                                                                                                     |         |       |      | -62   | -59   | -56   |
|                                   | 802.11 b                                                                                                                                                                                                                       |         |       |      |       |       |       |
|                                   | 1 Mbps                                                                                                                                                                                                                         | -96     |       |      |       |       |       |
|                                   | 11 Mbps                                                                                                                                                                                                                        | -88     |       |      |       |       |       |
|                                   | 802.11 a/g                                                                                                                                                                                                                     |         |       |      |       |       |       |
|                                   | 6 Mbps                                                                                                                                                                                                                         | -93     | -93   |      |       |       |       |
|                                   | 54 Mbps                                                                                                                                                                                                                        | -74     | -75   |      |       |       |       |

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| Integrated Antenna       | Intelligent Beam Selectable Antenna (IBSA)<br>2.4 GHz : 3.0 dBi<br>5 GHz : 5.5 dBi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Antenna Type             | Internal Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Interfaces               | 2 * 10/100/1000BASE-T (PoE 1 port)<br>1 * Console interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dimensions               | Diameter x Height: 205 x 45 (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Weight                   | 860g                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Environmental            | Storage temperature : -25°C ~ +70°C<br>Operating temperature : 0°C ~ +45°C<br>Operating humidity : 0~90% (noncondensing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Input Power Requirements | IEEE 802.3at PoE : 50 to 57 VDC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Powering Options         | Local power supply : 48V/0.75A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Power Draw               | 19.3W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Compliance Standards     | <ul style="list-style-type: none"> <li>• Safety :<br/>UL 60950-1<br/>UL 2043<br/>IEC 60950-1<br/>EN 60950-1<br/>EMI and susceptibility (Class B)<br/>FCC Part 15.107 and 15.109<br/>EN 301 489-1 and -17 (Europe)<br/>KN 301 489-1/KN 301 489-17 (Korea)</li> <li>• Radio approvals :<br/>FCC Part 15.247, 15.407<br/>EN 300 328, EN 301 893(Europe)<br/>Radio Equipment Specifications (Korea)</li> <li>• EAP type (s) :<br/>Extensible Authentication Protocol - Transport Layer Security (EAP-TLS)<br/>EAP-Tunneled TLS (TTLS) or Microsoft Challenge Handshake Authentication Protocol Version 2 (MSCHAPv2)<br/>Protected EAP (PEAP) v0 or EAP - MSCHAPv2<br/>Extensible Authentication Protocol - Flexible Authentication via Secure Tunneling (EAP-FAST)<br/>PEAPv1 or EAP-Generic Token Card (GTC)<br/>EAP-Subscriber Identity Module (SIM)</li> <li>• Multimedia :<br/>Wi-Fi Multimedia (WMM)<br/>WMM-PS</li> </ul> |
| Part Number              | WDS-A403i/KOR<br>WDS-A403i/EUS<br>WDS-A403i/XAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |