

Hot Spot Mesh Series

Make broadband wireless LAN to extension
up to 3 Miles between without obstruction

~~~ *Wireless Tranceiver* ~~~

Weather proof IP-65

Long distance wireless integrated

POE easy installation

MIMO multi in multi out

5.8GHz broadband 802.11a/n



Model: nWF5805-A14MM

### \*architecture



### \*feature

- IEEE 802.11a/n , 5.8GHz
- 3 Miles between without obstruction
- 2T2R MIMO 300Mbps
- 2x14dB Hor. & Vert. polarization antenna
- Integrated 2x14dB path power
- High power 500mW
- Both of DC power and POE DC12V 1.5A
- Configuration and management operated via Web browser
- Browser with password protected and firmware upgrade
- Gateway, Bridge, and WISP mode for wireless networks
- Supports 64/128-bit WEP, WPA, WPA2

|                         |                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MODEL                   | Tranceiver : nWF5805-A14MM                                                                                                                                                                                                                                                                                                                    |
| Standards               | <ul style="list-style-type: none"> <li>• IEEE 802.1d (Spanning Tree Protocol)</li> <li>• IEEE 802.11a (54 Mbps Wireless LAN)</li> <li>• IEEE 802.11n Draft 2.0 (300 Mbps Wireless LAN)</li> <li>• IEEE 802.1x (Network Access Control)</li> <li>• IEEE 802.3 (10Base-T Ethernet)</li> <li>• IEEE 802.3u (100Base-TX Fast Ethernet)</li> </ul> |
| General                 | <ul style="list-style-type: none"> <li>• Ethernet port: 2 RJ45 10/100 Mbps data port; one WAN and 4 LAN interface</li> <li>• Flash: 4 MB</li> <li>• Memory: 16 MB SDRAM</li> </ul>                                                                                                                                                            |
| Frequency range         | <ul style="list-style-type: none"> <li>• 5.15 - 5.85 GHz</li> </ul>                                                                                                                                                                                                                                                                           |
| Modulation technologies | <ul style="list-style-type: none"> <li>• 802.11a: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM</li> <li>• 802.11n: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM</li> </ul>                                                                                                      |
| Data rates              | <ul style="list-style-type: none"> <li>• IEEE 802.11g<br/>54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 / 9 / 6 Mbps)</li> <li>• IEEE 802.11n (up to 300 Mbps)</li> </ul>                                                                                                                                                                   |
| Output power            | <ul style="list-style-type: none"> <li>• 802.11n: 25 dBm +/- 2 dBm @300 Mbps</li> <li>• 802.11a: 18 dBm +/- 2 dBm @54 Mbps</li> </ul>                                                                                                                                                                                                         |
| Receiver sensitivity    | <ul style="list-style-type: none"> <li>• 11n (300 Mbps): -73 dBm;</li> <li>• 11a (54 Mbps) CCK: -73 dBm</li> </ul>                                                                                                                                                                                                                            |
| Operation modes         | <ul style="list-style-type: none"> <li>• Gateway mode</li> <li>• Bridge mode</li> <li>• WISP mode</li> <li>• AP mode</li> </ul>                                                                                                                                                                                                               |
| Wireless security       | <ul style="list-style-type: none"> <li>• WEP encryption (64/128 bit)</li> <li>• WPA TKIP</li> <li>• WPA2 AES</li> <li>• WPA2 mixed</li> <li>• 802.1x Authentication</li> <li>• Client access control through media access control (MAC) filter</li> </ul>                                                                                     |
| Antenna                 | <ul style="list-style-type: none"> <li>• Two 14dBi patch antenna</li> </ul>                                                                                                                                                                                                                                                                   |
| LEDs                    | <ul style="list-style-type: none"> <li>• Power</li> <li>• Wireless activity</li> </ul>                                                                                                                                                                                                                                                        |
| Mounting Kit            | <ul style="list-style-type: none"> <li>• 2pcs #24 51mm(Max.) ring belt</li> </ul>                                                                                                                                                                                                                                                             |
| Environmental           | <ul style="list-style-type: none"> <li>• Enclosure : IP65 protected</li> <li>• Operating temperature: -10°C ~ +70°C</li> <li>• Operating humidity: 10 - 95% RH, non-condensing</li> <li>• Power Adaptor: 12V 1.5A</li> </ul>                                                                                                                  |
| Dimension               | <ul style="list-style-type: none"> <li>• 215(L)x100(W)x260(H)mm, 902g</li> </ul>                                                                                                                                                                                                                                                              |

Specification is subject to change without prior notification.