**Zebra Wireless Fusion Features**
**for Android 10**
Table Revision 1

**"●" - available out of the box**
**"⦿" - available with mDNA license**

| | CC600/CC6000<br>EC30<br>EC50<br>ET51<br>MC3300x<br>MC93<br>PS20<br>TC52 and TC52-HC<br>TC52x<br>TC8300<br>TC72<br>VC8300<br>WT6300 | EC55<br>ET56<br>ET56 10"<br>L10<br>TC57x<br>TC77 | TC57 | MC27<br>TC26 | MC22<br>TC21 |
|---|---|---|---|---|---|
| **802.11 standard :** | | | | | |
| 802.11a: 5 GHz | ● | ● | ● | ● | ● |
| 802.11b: 2.4 GHz | ● | ● | ● | ● | ● |
| 802.11g: 2.4 GHz OFDM | ● | ● | ● | ● | ● |
| 802.11n: Enhancements for Higher Throughput | ● | ● | ● | ● | ● |
| 802.11ac: Very High Thruput < 6 GHz | ● | ● | ● | ● | ● |
| 802.11ax: High Efficiency Wireless (Wi-Fi 6) | | | | | |
| 802.11h: Dynamic Frequency Selection (DFS) and Transmit Power Control (TPC) | ● | ● | ● | ● | ● |
| 802.11i: WiFi Protected Access 2 (WPA2) | ● | ● | ● | ● | ● |
| 802.11e: Quality of Service | ● | ● | ● | ● | ● |
| 802.11d: Extensions to Operate in Additional Regulatory Domains | ● | ● | ● | ● | ● |
| 802.11r: Fast BSS Transition (Roaming) | ● | ● | ● | ● | ● |
| 802.11k: Radio Resource Mgmt | ● | ● | ● | ● | ● |
| 802.11w: Protected Mgmt Frames | ● | ● | ● | ● | ● |
| 802.11v: Wireless Network Management | ● | ● | ● | ⦿ | ⦿ |
| 802.11mc: Wi-Fi Locationing | ● | ● | ● | | |
| **Wi-Fi Alliance Certifications :** | | | | | |
| Miracast | | | | | |
| WiFi Direct | ● | ● | ● | | |
| Wi-Fi Protected Setup | | | | | |
| Voice Enterprise | ● | ● | ● | | |
| Soft AP (Mobile Access Point) | | ● | ● | ● | |
| WMM (Partial 802.11e Support) | ● | ● | ● | ● | ● |
| WMM Power Save | ● | ● | ● | | |
| WMM Admission Control | ● | ● | ● | | |
| WPA2-Personal | ● | ● | ● | ● | ● |
| WPA2-Enterprise | ● | ● | ● | ● | ● |
| Protected Management Frames (PMF) | ● | ● | ● | ● | ● |
| WPA3-Personal | ● | ● | ● | ● | ● |
| WPA3-Enterprise | ● | ● | ● | ● | ● |
| WPA3-Enterprise with Optional 192-bit | ● | ● | ● | ● | ● |
| Wi-Fi CERTIFIED n | ● | ● | ● | ● | ● |
| Wi-Fi CERTIFIED ac | ● | ● | ● | | |
| Wi-Fi CERTIFIED 6 | | | | | |
| Wi-Fi CERTIFIED 6 with Optional 6E (6 GHz) | | | | | |
| Wi-Fi Agile Multiband (MBO) | | | | | |
| Wi-Fi Optimized Connectivity (OCE) | | | | | |
| Wi-Fi QoS Management | | | | | |
| Passpoint | | | | | |
| **EAP Methods :** | | | | | |
| EAP-TLS | ● | ● | ● | ● | ● |
| EAP-TTLS | ● | ● | ● | ● | ● |
| PEAPv0/EAP-MSCHAPv2 | ● | ● | ● | ● | ● |
| PEAPv1/EAP-GTC - Static password | ● | ● | ● | ● | ● |
| PEAPv1/EAP-GTC - Dynamic password | ● | ● | ● | ⦿ | ⦿ |
| EAP-PWD | ● | ● | ● | ● | ● |
| EAP-FAST | | | | | |
| LEAP | ● | ● | ● | ⦿ | ⦿ |
| EAP-SIM | | | | | |
| EAP-AKA | | | | | |
| EAP-AKA Prime | | | | | |
| **Fast Roaming :** | | | | | |
| PMK Cache | ● | ● | ● | ● | ● |
| OKC | ● | ● | ● | ● | ● |
| CCX/CCKM | ● | ● | ● | ⦿ | ⦿ |
| Fast BSS Transition for WPA2 | ● | ● | ● | ● | ● |
| Fast BSS Transition for WPA3 Personal | ● | ● | ● | ● | ● |
| Fast BSS Transition for WPA3 Enterprise | ● | ● | ● | ● | ● |
| Fast BSS Transition for WPA3 Enterprise 192bit | ● | ● | ● | ● | ● |
| Fast BSS Transition - Over-DS for the supported WPAs | | | | | |
| **IP connectivity :** | | | | | |
| Internetworking IPv4 | ● | ● | ● | ● | ● |
| Internetworking IPv6 | ● | ● | ● | ● | ● |
| **Bands and channels :** | | | | | |
| 2.4 GHz band | 1-13 | 1-13 | 1-13 | 1-13 | 1-13 |
| 5 GHz band | 36-165,144 | 36-165,144 | 36-165,144 | 36-165,144 | 36-165,144 |
| 6 GHz band | | | | | |
| **Channel width :** | | | | | |
| 20 MHz | ● | ● | ● | ● | ● |
| 40 MHz | ● | ● | ● | ● | ● |
| 80 MHz | ● | ● | ● | ● | ● |
| 160 MHz | | | | | |
| **MIMO and DBS :** | | | | | |
| 2X2 MIMO | | | | | |
| 2X2 MU-MIMO | ● | ● | ● | | |
| 1X1 | | | | | |
| 1X1 Multiuser | | | | ● | ● |
| Dual Band Simultaneous (DBS) | ● | ● | | | |
| **More Value Add :** | | | | | |
| Gradual Roaming | ● | ● | ● | ● | ● |
| Roam Time Optimizations | ● | ● | ● | ● | ● |
| Connection Resiliency (continuity during short coverage disruption and short disconnects) | ● | ● | ● | ⦿ | ⦿ |
| Connectivity with Hidden-SSID on DFS channels | ● | ● | ● | ● | ● |
| Allow Network Profile Roaming; cases of Android block-listing | ● | ● | ● | ● | ● |
| Optimization for Multicast Packets | ● | ● | ● | ● | ● |
| Wi-Fi optimization for VOIP | ● | ● | ● | ⦿ | ⦿ |
| Throughput Optimization | ● | ● | ● | ● | ● |
| 802.11k / 802.11v Optimizations (find faster a better AP) | ● | ● | ● | ⦿ | ⦿ |
| Optimized Voice Prioritization: TSPEC | ● | ● | ● | ⦿ | ⦿ |
| Optimized Voice Prioritization: Call Admission Control | ● | ● | ● | ⦿ | ⦿ |
| Optimized Voice Prioritization: traffic QoS Mapping | ● | ● | ● | ⦿ | ⦿ |
| Captive Portal Mode | ● | ● | ● | ● | ● |
| Reduced Power for Undefined Country | ● | ● | ● | ● | ● |
| Encryption of Wi-Fi Credentials | ● | ● | ● | ● | ● |
| View Only Mode for Wi-Fi UI Settings | ● | ● | ● | ⦿ | ⦿ |
| Gratuitous ARP | ● | ● | ● | ⦿ | ⦿ |
| Subnet Roam | ● | ● | ● | ⦿ | ⦿ |
| Soft AP Channel Selection | | ● | ● | ⦿ | |
| Wireless Logs in UI (status & logger) | ● | ● | ● | ⦿ | ⦿ |
| Advanced Debugging / Logging | ● | ● | ● | ● | ● |
| Public APIs for Remote Device Mgmt (MX, FusionPublicAPI, etc.) | ● | ● | ● | ● | ● |
| Fusion Settings GUI (UI Configurability) | ● | ● | ● | ● | ● |
| WiFiConfig | ● | ● | ● | ● | ● |
| WMM-PS capability (regardless of WFA cert) | ● | ● | ● | ⦿ | ⦿ |
| Band Affinity/Band Preference | ● | ● | ● | ⦿ | ⦿ |
| Channel Mask | ● | ● | ● | ⦿ | ⦿ |
| WiFi Locationing "RTT Service" - positioning (Local or Global coordinates) | ● | ● | ● | | |
| **Separated Configurability Methods for specific features :** | | | | | |
| Enable Advanced Debugging / Logging via UI | ● | ● | ● | ● | ● |
| Enable Advanced Debugging / Logging via MX | ● | ● | ● | ● | ● |
| Configure Band and Country Selection in UI | ● | ● | ● | ● | ● |
| Configure Band and Country Selection in MX | ● | ● | ● | ● | ● |
| Configure Channel Mask via UI | ● | ● | ● | ⦿ | ⦿ |
| Configure Channel Mask via MX | ● | ● | ● | ⦿ | ⦿ |
| **802.11k & 802.11v :** | | | | | |
| 11k Lite (Neighbor Report) | ● | ● | ● | ● | ● |
| 11k Full (Neighbor Report, Beacon and Link Measurements) | ● | ● | ● | ● | ● |
| 11v BSS Transition Management | ● | ● | ● | ⦿ | ⦿ |
| **Data Integrity :** | | | | | |
| FIPS 140-2 Level 1 DIM | | | | | |
| **PAN-BU Features :** | | | | | |
| (PAN-BU) Auto Time Configuration | ● | ● | ● | ⦿ | ⦿ |
| (PAN-BU) Hyper Fast Secure Roam | | | | | |
| (PAN-BU) Scan Assist | | | | | |
| (PAN-BU) Coverage Hole Detection | | | | | |
| (PAN-BU) Aggregated FT-Over-DS | | | | | |
| **Wireless Analyzer Application :** | | | | | |
| WA Connection Information | ● | ● | ● | ⦿ | ⦿ |
| WA Scan List and Coverage View | ● | ● | ● | ⦿ | ⦿ |
| WA Connection Analysis | ● | ● | ● | ⦿ | ⦿ |
| WA Roaming Analysis | ● | ● | ● | ⦿ | ⦿ |
| WA Voice Analysis | ● | ● | ● | ⦿ | ⦿ |
| WA Packet Capture | ● | ● | ● | ⦿ | ⦿ |
| WA Network Tools (Ping, Traceroute) | ● | ● | ● | ⦿ | ⦿ |
| **Wireless Insights APIs :** | | | | | |
| WI API Roaming Analysis | ● | ● | ● | ⦿ | ⦿ |
| WI API Voice Analysis | ● | ● | ● | ⦿ | ⦿ |
| WI API Packet Capture | ● | ● | ● | ⦿ | ⦿ |