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Operating systems, Firmware, and Drivers are all found on each device's support page in the Downloads tab. Device compatible software applications and developer tools can also be found on a device's support page in the Application Software tab. To access the device's support page, browse our product catalog using the links below. Find the answers and solutions to most product support questions. Browse official help pages for Zebra products. At Zebra, we're committed to empowering teams with the mobility and insight to deliver at the cutting edge of excellence. More than just providing intelligent hardware, we offer solutions that give organizations complete visibility to make smart, nimble decisions about what action to take now, and how to plan for tomorrow. Our solutions provide real-time insight that allows workers to make informed decisions in the heat of the moment. When workers are equipped with crystal-clear operational visibility, they're also empowered to make the most of every minute they have, every decision they make, and every customer they serve—from the front lines to back of the house, and at every point in between. Our ecosystem is built on IoT connections that drive industry forward—from the technology itself to the people who use it, to the end customers we all ultimately serve. We offer solutions designed to meet the needs you have today, and the agility to scale for tomorrow. Because when your systems, your people, and your information can stay connected as your needs evolve, the potential for growth is endless. Data informs our decisions, our priorities, and our actions. It is driving the future, across industries, and how we choose to use it matters. Our solutions bring people and technology together to maximize data and the insights derived from it. Businesses are freed from inefficiency, so they can focus on what really matters. And workers intuitively know what action to take next. Driving innovation for key global industries and the people who power them is what we do. We're proud to be considered among the best. Zebra Technologies was ranked #1 in the large companies category for Fast Company's list of Best Workplaces for Innovators. Zebra is also ranked #5 among the 100 best workplaces for embracing innovation. Zebra ranked #66 among the top 100 companies named to Newsweek's inaugural list of Most Loved Workplaces globally. Zebra Technologies received CRN's 5-star rating for the seventh consecutive year based on our commitment to our partners globally who are among the most knowledgeable and competent in the industry. Our Corporate Social Responsibility (CSR) Program makes sure we're doing our best as a globally conscious, corporate citizen by creating programs that bolster our people, communities, and environment—and making sure our policies are an extension of our values. The Environment Humanity Ethical Action The Environment Humanity Ethical Action Adhering to high environmental standards, conserving resources through our buy-back program and safe recycling, and bringing renewable energy into our facilities are all part of our efforts to be a globally-conscientious corporate citizen. People are our greatest asset—our employees, their families, and the communities we work in. We stand firmly behind human rights, respect, and equality, and support education that builds talent around the globe—because we know that our strength lies in bringing all voices to the table. Our policies are led by our principles - Lead Through Innovation, Deliver Excellence with Agility, Think and Act Custom First, Succeed as One, and Make a Positive Impact. Connecting teams and transforming businesses. Across industries. Around the globe. YEARS OF INNOVATION AND COUNTING EMPLOYEES COUNTRIES ALL LOCATIONS PATENTS AND PATENT APPLICATIONS WORLDWIDE PARTNERS in ~176 COUNTRIES INDUSTRIES INCLUDING Retail | Warehouse and Distribution | E-commerce Fulfillment | Healthcare | Manufacturing | Energy and Utilities | Public Sector | Banking ALL INDUSTRIES We take pride in creating a culture of respect, collaboration, inclusion and innovation. We practice these values as we work together across the globe to develop and deploy industry-leading solutions that give organizations a competitive edge. Hardware, OS and Firmware Management Processor Texas Instruments AM3505 (600 MHz) Memory Flash 512 MB; DRAM 256 MB Operating System Linux Firmware Upgrade Web-based and remote firmware upgrade capabilities Management Protocols RM 1.0.1 (with XML over HTTP/HTTPS and SNMP binding); RDMP Network Services DHCP, HTTPS, FTPS, SFTP, SSH, HTTP, FTP, SNMP and NTP Network Stack IPv4 and IPv6 Security Transport Layer Security Ver 1.2, FIPS-140 API Support Host Applications — .NET, C and Java EMDK Embedded Applications — C and Java SDK Safety UL 60950-01, UL 2043, IEC 60950-1, EN 60950-1 RF/EMI/EMC FCC Part 15, RSS 210, EN 302 208, ICES-003 Class B, EN 301 489-1/3 For Malaysia: 919-923 MHz SAR/MPE FCC 47 CFR 2: OET Bulletin 65; EN 50364 Other ROHS, WEEE Environment • RoHS Directive 2011/65/EU; Amendment 2015/863 • REACH SVHC 1907/2006 For a complete list of product and materials compliance, please visit www.zebra.com/environment The FX9600-4 and FX9600-8 are warranted against defects in workmanship and materials for a period of one year (12 months) from date of shipment, provided the product remains unmodified and is operated under normal and proper conditions. For complete warranty statement, go to: www.zebra.com/warranty Support Services Zebra OneCare™; On-Site System Support Advanced Services RFID Design and Deployment Services *Configurations without a USB hub require an external USB hub for full USB functionality Specifications are subject to change without notice. Device Approvals, Certifications and Compliance TAA compliant; ARC Core Google; Android Enterprise Recommended (AER) TAA (optional on select configurations) Trade Agreement Act compliance optional on select configurations Non-Incendive (NI), optional on select configurations Class I, II, III Div 2; Cases; Class I, Groups A/B/C/D; Dusts: Class II, Groups F/G; Fibers/Flyings; Class III; -20° C ≤ Ta ≤ 50° C T6 Scanning SE58 1D/2D Extended Range Scan Engine with IntelliFocus™ technology with green laser aimer SE4770 1D/2D Scan Engine with red laser aimer Camera Front: 8 MP, Rear: 16 MP autofocus; flash LED generates balanced white light; supports Torch mode + HDR (standard) NFC ISO 14443 Type A and B; FeliCa and ISO 15693 cards Wireless WAN Data Communications (MC9450 only) Radio Frequency Band 3G NA: B2/A/5; RoW: 1/2/4/5/8 4G NA: B2/A/5/7/8/12/13/14/17/25/26/29/30/38/A1/48/66/71; RoW: B1/2/3/4/5/6/7/9/10/14/17/18/20/26/28/38/39/40/A1/A2/43/66/71 5G FR1 NA: n2/5/7/8/12/13/14/25/26/30/38/A1/48/66/71/77/78; RoW: n1/2/3/5/7/8/12/18/20/26/28/38/40/A1/66/71/77/78; Gigabit LTE-A; 5G NR Sub-6 (NSA, SA); LTE/NR Carrier Aggregation; supports private networking (LTE/5G) Note: Actual band support may vary by country or carrier, contact Zebra Tech Support for more details. GPS MC9450 only: GPS, GLONASS, Galileo, QZSS Dual-Band GNSS — Concurrent L1/G1/E1 (GPS/QZSS, GLO, GAL) + L5/E5a/BDS B2a (GPS/QZSS, GAL) a-GPS Supports XTRAMultimedia Wi-Fi Multimedia™ (WMM) and WMM-PS; Including TSPEC VOIP Communications Supports Workcloud Communication™ PTT Express and Workcloud Communication™ PTT Pro Radio IEEE 802.11 a/b/g/n/ac/ax/d/h/i/r/v/w/mc; 2x2 MU-MIMO; Tri-band (2.4 GHz, 5 GHz, 6 GHz); Wi-Fi CERTIFIED 6™ (Wi-Fi 6E); Dual Band Simultaneous; IPv4, IPv6 Data Rates 2.4 GHz: 802.11b/g/n/ax — 20 MHz - up to 286.8 Mbps; 5 GHz: 802.11a/n/ac/ax — 20 MHz, 40 MHz, 80 MHz, 160 MHz — up to 2402 Mbps; 6 GHz: 802.11ax — 20 MHz, 40 MHz, 80 MHz, 160MHz - up to 2402 Mbps Fast Roam 802.11r Fast BSS Transition; PMK Caching; Cisco CCKM; OKC Operating Channels Channel 1-13 (2401-2483 MHz): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13; Channel 36-165 (5150-5850 MHz): 36, 40, 44, 48, 50, 52, 56, 60, 64, 100, 104, 108, 112, 114, 116, 120, 124, 128, 132, 136, 140, 144, 149, 153, 157, 161, 165; Channel 1-233 (5925-7125 MHz); Channel Bandwidth: 20, 40, 80, 160 MHz; Actual operating channels/frequencies and bandwidths depend on regulatory rules and certification agency. Security and Encryption WEP (40 or 104 bit); Enhanced Open (WPA); WPA/WPA2 Personal (TKIP and AES); WPA3 Personal (SAE); WPA/WPA2 Enterprise (TKIP and AES); WPA3 Enterprise (AES); EAP-TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC, LEAP, EAP-PWD; WPA3 Enterprise 192-bit mode (GCMP256) - EAP-TLS; MC9450 only: EAP-SIM, EAP-AKA, EAP-AKA Prime Certifications Wi-Fi Alliance Certifications: Wi-Fi CERTIFIED n, Wi-Fi CERTIFIED ac, Wi-Fi CERTIFIED 6 (Wi-Fi 6E); WPA2-Personal; WPA2-Enterprise; WPA3-Personal WPA3-Enterprise (includes 192-bit mode); Protected Management Frames; Wi-Fi Enhanced Open; WMM (Wi-Fi Multimedia); WMM-Power Save WMM-Admission Control; Voice-Enterprise; Wi-Fi Direct; Wi-Fi Agile Multiband; Wi-Fi QoS Management; Wi-Fi Optimized Connectivity; Passpoint Bluetooth Class 2, Bluetooth v5.3 and Secondary BLE for beaconing within BLE battery Subject to terms of Zebra's hardware warranty statement, the MC9400/MC9450 is warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statement, please visit: www.zebra.com/warranty RoHS Directive 2011/65/EU RoHS Amendment (EU) 2015/863 (EN IEC 63000:2018 Standard); For a complete list of product and materials compliance, please visit www.zebra.com/environment Zebra OneCare™ Essential and Select support services; Zebra Visibility Services — VisibilityIQ™ Foresight; for information, www.zebra.com/services 1. 5G vs. Wi-Fi 6: a Powerful Combination for Wireless; Intel; 2. Printing resolution, contrast and ambient light dependent 3. Requires the one-time purchase of a license for each OCR Wedge data type 4. Requires a Workcloud Communication license 5. Requires the purchase of the optional BLE battery and Device Tracker licenses 6. Available in North America 7. Requires one-time purchase of device licenses 8. GMS (Google Mobile Services) are not available on all models in all regions Mobility DNA solutions add functionality and simplify deployment and management of our mobile devices. Features may vary by model and a support contract may be required. More information: www.zebra.com/mobilitydna Rack Room Shoes, a leading footwear retailer, has modernized its operations by implementing Zebra's Workcloud Task Management and mobile solutions. The company previously relied on an email-based system, making it difficult to manage changing directives and track task completion. General Purpose Handheld Scanners Give employees the ability to provide great customer service with high-functionality scanners. Streamline any task from inventory management to check-in with Zebra's general purpose handheld scanners. Enjoy long-lasting battery life that lasts all shift long. Gain a deeper understanding of customer data with actionable insights. Confidentially scan anything—even damaged or low-quality barcodes—in every environment. Rack Room Shoes, a leading footwear retailer, has modernized its operations by implementing Zebra's Workcloud Task Management and mobile solutions. The company previously relied on an email-based system, making it difficult to manage changing directives and track task completion. Frequency Range 6.35 to 6.75 GHz Width 8.23 cm (3.24 in) Weight 163 gm (5.76 oz) Length 13.4 cm (5.26 in) Height 3.99 cm (1.57 in) Power 5W @ 0.25A You don't have time to battle downtime, delays and disruption. Simply put, your printers need to print. Today, tomorrow and for years to come, Zebra printers are designed for your application and your environment. Our printers provide reliable printing for wristbands, receipts, barcode labels, cards and more. Each printer is engineered to endure and proven to perform. So go ahead—push the limits. Zebra printers won't let you down.