

### Vehicle Mount Computer **Zebra - VC8300**

- Ultra-rugged for extreme environment
- 8" HD display, glove-friendly touch
- Easy in-vehicle mounting options
- Integrated large touchscreen & keyboard
- Run TE apps out-of-the-box



### Vehicle Mount Computer Ultra-rugged Android Computer

Since your Windows-based vehicle mount mobile computers are near their end-of-life and support for Windows-based mobile devices is ending, you're ready to migrate to Android™. You need a rugged device that will make that migration and device management simple, easy and cost-effective. Get it all with the VC8300. Designed for the most extreme environments, the VC8300 can go everywhere your vehicle operators need to go—inside the warehouse, out in the yard, on the loading dock and even in the freezer. Run your existing 'green screen' apps right out of the box—no ramp-up time required. Re-use all of your existing accessories<sup>1</sup>, minimizing the cost to upgrade to the latest technology. Replacement couldn't be easier—just drop it in place and you're ready to go. With Mobility DNA, only from Zebra, you get powerful features that transform Android into an easy-to-manage robust enterprise-class OS, complete with unique tools that not only boost workforce productivity, but also simplify deployment and application development. And since the same platform is shared with Zebra's rugged handheld and wearable mobile devices, virtually any worker can use any device with practically no training, providing the flexibility to deploy and re-deploy workers to address changing workloads.

When it comes to data input, the VC8300 offers complete flexibility. The integrated full alphanumeric keyboard gives your workers the same familiar key-based interaction they use today—no change to workflow required. And the touchscreen allows you to integrate touch into your apps whenever you're ready.

When you're ready to transform your TE key-based apps to Android interactive apps, All-touch TE makes it easy. With this pre-loaded Zebra-only Mobility DNA application, just press a button to change TE 'green screens' to fully interactive Android screens that can be easily customized with All-touch TE tools—all without any coding.

### Common Applications

- Manufacturing plants
- Warehouses
- Railway yards
- Sit-down forklifts
- Container bridges



## TECHNICAL SPECIFICATIONS

### Physical Characteristics

|                  |                                                                                                                                                                                                                                                                                                                                                                    |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimension        | 276 mm W x 238 mm H x 90 mm D                                                                                                                                                                                                                                                                                                                                      |
| Weight           | 3,7 kg                                                                                                                                                                                                                                                                                                                                                             |
| Display          | WXGA 8 inch, color display; 1280x720, 1,000 NITs                                                                                                                                                                                                                                                                                                                   |
| Touch Panel      | Capacitive multi touch, Corning Gorilla Glass with air gap, heater option, anti-reflective foil option                                                                                                                                                                                                                                                             |
| Power            | 10 to 60V DC isolated; Internal                                                                                                                                                                                                                                                                                                                                    |
| Keyboard Options | QWERTY/AZERTY                                                                                                                                                                                                                                                                                                                                                      |
| Keyboard         | Backlit, field replaceable, full alphanumeric, 67 keys, 12 direct function keys<br>Diamond key pops up on-screen keyboard for additional characters                                                                                                                                                                                                                |
| Indicators       | Audible tone<br>Power Status: Green/Amber LED<br>Warning: Red LED                                                                                                                                                                                                                                                                                                  |
| Mounting         | RAM mount; quick release mount; side mounted scanner holder                                                                                                                                                                                                                                                                                                        |
| Connectivity     | 1x Type C USB 3.0 combination host and client port; 1 x USB 2.0 host port (with strain relief and covered); 1 x standard powered USB 2.0 host port with 12V / 1.5 A (with strain relief and covered); 2 x RS-232 COM ports with power on pin 9; 1 x 3.5 mm audio jack for push-to-talk speaker/mic (with strain relief and covered); optional USB-Ethernet adapter |
| UPS              | UPS with minimum 30-min life over the full operating temperature range                                                                                                                                                                                                                                                                                             |

### Performance Characteristics

|                  |                                               |
|------------------|-----------------------------------------------|
| CPU              | Qualcomm Snapdragon 660 octa-core 2.2 GHz     |
| Operating System | Upgradeable to Android 14                     |
| Memory           | 4GB RAM/32 GB Flash pSLC                      |
| Software         | Ivanti Velocity (pre-loaded and pre-licensed) |

### Voice and Audio

|              |                             |
|--------------|-----------------------------|
| Audio        | High volume 87dB speaker    |
| Push-to-Talk | Optional speaker microphone |

### Wireless PAN

|           |                                                     |
|-----------|-----------------------------------------------------|
| Bluetooth | Class 2, Bluetooth v5.0, Bluetooth Low Energy (BLE) |
|-----------|-----------------------------------------------------|

### Wireless LAN

|                         |                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Radio                   | IEEE 802.11a/b/g/n/ac/k/r; 2x2 MU-MIMO                                                                                                                                                                                                                                                                                                                                |
| Data Rates              | 5GHz: 802.11a/n/ac—up to 866.7 Mbps<br>2.4GHz: 802.11b/g/n—up to 300 Mbps                                                                                                                                                                                                                                                                                             |
| Operating Channels      | Channel 1-13 (2412-2472 MHz): 1,2,3,4,5,6,7,8,9,10,11,12,13<br>Channel 36-165 (5180-5825 MHz): 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 144, 149, 153, 157, 161, 165<br>Channel Bandwidth: 20, 40, 80 MHz<br>Actual operating channels/ frequencies and bandwidths depend on regulatory rules and certification agency. |
| Security and Encryption | WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP and AES); WPA/WPA2 Enterprise (TKIP and AES) - EAP-TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC and LEAP, EAP-PWD<br>FIPS 140-2 Level 1: Data in Motion and Data at Rest2                                                                                                                      |
| Multimedia              | Wi-Fi Multimedia (WMM and WMM-PS; Including TSPEC)                                                                                                                                                                                                                                                                                                                    |
| Certifications          | WFA (802.11n, WMM-PS, 802.11ac, PMF, WMM-AC, Voice Enterprise, Wi-Fi Direct and WPS 2.0)                                                                                                                                                                                                                                                                              |
| Fast Roam               | PMKID caching, Cisco CCKM, OKC, 802.11r                                                                                                                                                                                                                                                                                                                               |
| WLAN Antennas           | Switchable internal or external antennas, various magnetic mounted antennas available                                                                                                                                                                                                                                                                                 |

### User Environment

|                 |                                               |
|-----------------|-----------------------------------------------|
| Operating Temp  | -30° C to 50° C                               |
| Storage Temp    | -40° C to 60° C                               |
| Humidity        | 5-95% non-condensing                          |
| Sealing         | IP66                                          |
| Shock/Vibration | IEC 60721-3-5M3; MIL-STD 810F; Zebra internal |
| Thermal Shock   | -30° C to 50° C                               |
| Sensors         | Temperature, accelerometer, gyroscope         |
| Salt Fog        | 48h of 5% solution at 35° C                   |
| Solar Radiation | MIL-STD 810G Method 505.5                     |

### Part No. / Model

|  |                |
|--|----------------|
|  | Zebra - VC8300 |
|--|----------------|