

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 accessories¹, 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 Diamond key pops up on-screen keyboard for additional characters
Indicators	Audible tone Power Status: Green/Amber LED 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)
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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 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 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 Channel Bandwidth: 20, 40, 80 MHz 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 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, WiFi 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
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