

StrikerX

StrikerX is the latest evolution of AML's portfolio of Android mobile computing solutions.

Based on our popular Striker enterprise mobile computer, StrikerX takes advantage of proven and popular ergonomics, with the perfect balance of size, weight, and user comfort. The real enhancements of StrikerX are buried inside, under the covers.

We have incorporated what is arguably the most powerful processing platform available for industrial mobile devices, the **Qualcomm QCS6490** Octa-core 64-bit processor running at speeds up to 2.7 GHz. Fortified with 4GB of dynamic RAM and 64GB of flash memory, there are no constraints or restrictions on the mobile or web-based apps that can be run on StrikerX.

Processing Platform

Ultimately, the performance of the mobile computer is dictated by the CPU, or the processor utilized. The Zebra MC3300ax and the Honeywell CK65 use the Qualcomm Snapdragon 660, which for years has been the gold standard for ARM processors utilized in industrial mobile computers. The Snapdragon has eight cores with four cores running at 1.8GHz and four cores running at 2.2 GHz. It is still a very effective processor for the vast majority of applications in use today. It was introduced in May of 2017 and will end production in 2027 so we will begin to see many devices using the 660 re-designed to incorporate newer technology. Buying a Snapdragon 660 device today would NOT be future-proofing.

The Zebra MC9400 uses the Qualcomm QCS4490 processor which is considered a "mid-tier" device compared to the QCS6490 used in the StrikerX. It also has eight cores, with two running at 2.4GHz and six cores running at 2 GHz.

By comparison, the StrikerX QCS6490 has two cores running at 2.7GHz, three cores running at 2.4GHz, and four cores running at 1.9GHz.





Antutu is a software benchmarking tool used to benchmark, or score, the processing performance of mobile devices. For the purposes of comparison, below are the Antutu scores for the three processors we have discussed.

Processor	Antutu Score
Snapdragon 660 - MC3300ax and Honeywell CK65	121,056
QCS4490 - Zebra MC9400	385,867
QCS6490 - StrikerX	641,230

In addition to being a faster, higher performance platform than the QCS4490, the QCS6490 is also slated for a longer production life. The QCS4490 will end production in 2030, while the QCS6490 (used in StrikerX) will end production in 2036.

Wireless Performance



The Wi-Fi radio in StrikerX will connect, and stay connected, to virtually any WLAN network in use today. But it also supports the latest Wi-Fi 6E standard, which although not widely deployed today, will evolve to be the desired standard in the near future. The 6E variant opens up another frequency band (6 GHz) in addition to the current 2.4 GHz and 5 GHz bands.

Barcode Scanning






StrikerX features two barcode scan engines. For **short-to-normal distances**, generally up to around 24", the Honeywell **N5780** is the scan engine utilized. It has proven to be a better performing device than the Zebra SE4757s in that it consumes almost half the power, scans better from angles, and scans slightly faster. For **near/far scanning**, the StrikerX will continue to utilize the Honeywell **EX30**. There is no laser scanning option for StrikerX.



Batteries and Charging Options

StrikerX uses the same batteries as the Striker and Scepter, a 24.3 Watt-hour Li-Ion dual cell battery that in almost every application will provide a full shift of operation. It also works with all the same charging accessories used by Striker and Scepter: single slot charging cradle, 4-bay cradle, inline charger, and vehicle-mounted cradle.



Software

StrikerX is loaded with software applications and utilities to ease configuration and deployment of multiple devices. Most of these applications are pre-loaded and license-free.

	<p>Use the AML Barcode Service to configure the behavior of the barcode scanner. Enable or disable symbologies, add prefixes or suffixes, change the “good read” sound, or enable AML’s “ScreenFlash” technique to provide visual confirmation of good scans or bad reads. It comes pre-loaded and license-free on Striker and StrikerX.</p>
	<p>AML Setup is a software app that allows the user to configure their AML device by scanning configuration barcodes through the AML Barcode Service. AML Setup Console is a desktop application that works in tandem with AML Setup to set up the configuration and barcodes for the AML device that the user wants to configure. It comes pre-loaded and license-free on Striker and StrikerX.</p>
	<p>The AML Lockdown Utility restricts access to specific Striker functionality. Administrators can make available only specific applications necessary to the user. It comes pre-loaded and license-free on Striker and StrikerX.</p>
	<p>Use the AML Cloning App to quickly and securely configure multiple devices for the same installation environment. Cloning may be performed with a cradle and a PC, or a cradle and a USB drive. It comes pre-loaded and license-free on Striker and StrikerX.</p>
	<p>Glink for VT100 and VT220 terminal emulation is preloaded and pre-licensed. Users of legacy or text-based applications can be up and running quickly without the need for expensive third-party software.</p>

	<p>DC Suite is a collection of pre-loaded mobile applications designed for everyday data collection tasks such as inventory counts and asset tracking. DC Console is the companion PC-based application design software that allows users to modify existing DC Suite applications or create new apps from scratch. Collected data is stored in a batch file on the device which can be transferred to a PC using a Wi-Fi or USB connection. Both DC Suite and DC Console are license free with Striker and StrikerX.</p>
	<p>BT Connect provides a robust means of establishing a Bluetooth connection between the StrikerX and an auxiliary scanning device like a handheld scanner or ring scanner. The BT Connect application displays a QR code which is scanned by the auxiliary scanner and ensures a positive one-to-one connection, preventing accidental connections to neighboring devices and eliminating dropped connections. BT Connect comes pre-loaded and license-free on StrikerX.</p>

Optional Software Applications for StrikerX

	<p>AML Device Manager gives administrators the ability to handle many different tasks remotely including support, device updates, and creating custom device configurations. Unique features of AML Device Manager include a two-way messaging application, the ability to complete a factory reset with automatic enrollment, and a “Find My Device” mode. AML Device Manager is a must for IT Managers trying to manage multiple mobile computers, especially if the devices are deployed over multiple sites. (Subscription-based license required.)</p>
	<p>AML’s AppLync™ Browser is a “locked-down” web browser ideally used by organizations with the intention of using web-based applications on their mobile devices in the most secure way possible. The AppLync Browser restricts users from accessing other websites and admin settings are password protected. (Subscription-based license required.)</p>

Feature Comparison

	StrikerX	Zebra MC3300ax	Zebra MC9400	Honeywell CK65
Operating System	Android 13+	Up to Android 14	Up to Android 17	Android 9 to Android 13
Processor	Qualcomm QCS6490 Octa Core, 2.7 GHz	Qualcomm Snapdragon 660 Octa Core, 2.2 GHz	Qualcomm 4490 Octa Core, 2.4GHz	Qualcomm Snapdragon 660 Octa Core, 2.2 GHz
Memory	4GB RAM, 64GB Flash	4GB RAM, 32GB Flash	6GB RAM, 128GB Flash	2GB RAM, 32GB Flash
Display	4.0" 800 x 480 IPS LCD	4.0" 800 x 480 LCD	4.3" 800 x 480	4.0" 800 x 480 IPS LCD
Keypad	47-key, 58-key Tactile	47-key, 38-key and 29 Key	58, 53, 43, 34 and 29 key	53, 51, 42, 38 or 30 key
Audio	Built-in Speaker and Microphone and audio jack.	Built-in Speaker and Microphone	Speaker, Microphone	Speaker, Microphone
WLAN	802.11ax, Wi-Fi 6E	802.11ax	802.11mc, Wi-Fi 6E	802.11ac
WPAN	BLE 5.2 Dual Mode	BLE 5.2	Bluetooth	V5 with BLE
Main Battery	24.3 Watt-hour Li-Ion	25.2 Watt-hour Li-Ion	25.2 Watt-hour Li-Ion	25.2 Watt-hour Li-Ion
Barcode Scanning	2D Imager 2D Near/Far Imager	2D Imager 2D Near/Far Imager	2D Imager 2D Near/Far Imager	2D Imager 2D Near/Far Imager
Physical Size (Handle)	8.5" x 3.1" x 6.1" (21.6cm x 7.9cm x 15.5cm)	7.9" x 2.94" x 6.45" (20.2cm x 7.47cm x 16.4cm)	9.4" x 3.5" x 7.4" (24cm x 8.8cm x 18.9cm)	
Physical Size (No Handle)	8.5" x 3.1" x 1.8" (21.6cm x 7.9cm x 4.5cm)	7.9" x 2.94" x 1.35" (20.2cm x 7.47cm x 3.45cm)		8.9" x 3.3" x 1.7" (22.7cm x 8.3cm x 4.2cm)
Weight (Handle)	20.6 ounces (584 grams)	18.8 ounces (535 grams)	26.2 ounces (743 grams)	

	StrikerX	Zebra MC3300ax	Zebra MC9400	Honeywell CK65
Weight (No Handle)	17.6 ounces (499 grams)	16.7 ounces (474 grams)		17.6 ounces (498 grams)
Drop Specification	6' to concrete	6' to concrete	8' to concrete	8' to concrete
Tumble Specification	1,000 x 1-meter tumbles	3,000 x 1-meter tumbles		3,000 x 1-meter tumbles
Environmental Sealing	IP65	IP64		IP65
Operating Temperature	-4° to 122° F (-20° to 50° C)	-4° to 122° F (-20° to 50° C)	-4° to 122° F (-20° to 50° C)	-4° to 122° F (-20° to 50° C)
Other Features/Options	Integrated flashlight with dedicated switch. Camera, 13MP (Optional) NFC (Optional)	Camera, 13MP (Optional)	Front Camera - 8MP Rear Camera – 16MP NFC	Camera, 13 MP
Made in USA	YES	NO	NO	NO