



Feature Comparison: MC9190-G vs. MC9090-G

The Motorola MC9190-G mobile computer builds on the successful MC9090-G, offering more processing power to support today's applications, more scanning options, better scanning performance, government grade security, a higher resolution display and a more rugged touchscreen and scanner exit window. The following chart highlights all the technology advances in this next generation in the MC9000 Series.

FEATURE	MC9090-G	MC9190-G	CUSTOMER BENEFIT
Processor	Intel XScale PXA270 @ 624 MHz	Marvell PXA320 @ 806 MHz	Faster processing improves application performance and user productivity, translating into minutes or even hours saved each week.
Memory	(RAM/ROM) CE 5.0: 64MB/64MB or 128MB/64MB Windows Mobile 5.0 Premium or 6.1 Classic: 64MB/128MB or 128MB/128MB	256MB RAM/1 GB Flash	Major increase in memory improves application processing speed — with ample processing space, there is no need to swap programs in and out of memory during a transaction.
Operating System	Windows Mobile 5.0 Premium Edition Windows Mobile 6.1 Classic Microsoft Windows CE 5.0	Microsoft Windows Mobile 6.5 Classic or Microsoft Windows CE 6.0	The latest in mobile operating systems allows your business to take advantage of the latest feature set, including increased flexibility, interoperability and security.
SD Expansion Slot	SD/MMC card up to 1GB	SD/MMC card up to 32GB	Larger expansion slot capacity provides ample storage for the largest applications.
Interactive Sensor Technology (IST)	No	Yes	Enables leading edge motion-based applications, including dynamic screen orientation, power management and free-fall event logging as well as access to accelerometer data for custom applications.
Scanning Options	1D Laser (SE1224) 1D Laser Long Range (SE1524-ER) 1D/2D Imager (SE4400) 1D/2D Imager with DPM (SE4400-HD)	1D Laser (SE960) 1D Laser Long Range (SE1524-ER) 1D/2D Imager (SE4500-SR) 1D/2D Long Range Imager (SE4600) 1D/2D Imager with Driver's License parsing (SE4500-DL) 1D/2D Imager with DPM (SE4500-HD)	Provides more data capture options, including long-range capture of 1D and 2D bar codes. In addition, the four imager options all offer Motorola's revolutionary imaging technology, which delivers stunning laser-like stunning performance on both 1D and 2D barcodes. The degradation of 1D bar code scanning performance typical in today's 2D imagers is eliminated, expanding data capture capabilities to include 2D bar codes as well as documents, images and signatures — without impacting user productivity or scanning accuracy.
FIPS 140-2 Certification	No	Yes	Certified for use in government applications.
Display	3.7 in. QVGA mono or color for Win CE 3.7 in. QVGA color only for Windows Mobile	3.7 in. VGA color for all operating systems	Best-in-class 3.7 inch high-resolution backlit color VGA touchscreen display provides great readability in any lighting condition — from bright sunlight to total darkness.
Gorilla® Glass Scanner Exit Window	No	Yes	Increases the durability of the scanner exit window with glass that is virtually impervious to damage — including scratches.

Hardened Touchscreen	Yes	Yes — with increased hardness	The increased hardness further improves resistance to wear and tear.
Integrated UHF RFID tag	No	Yes	Businesses that have deployed RFID can automatically track the movement and location of MC9190-G devices. Automated real-time inventory enables cost-effective compliance with accounting regulations such as FASB. And the ability to quickly and easily locate misplaced devices ensures that your devices are always available for workers on the next shift. Device utilization and worker productivity are increased, improving the return on investment.
Motorola Mobility Platform Architecture (MPA)	MPA 1.0	MPA 2.0	The latest Motorola MPA platform provides the latest best-in-class technology architecture, providing an extended lifecycle and future-proofing. In addition, the standardized platform preserves existing application investments by enabling easy and cost-effective porting of applications from other Motorola mobile computers.
Bluetooth Version	1.2	2.1 with EDR (Enhanced Data Rate)	The latest Bluetooth technology provides a faster wireless connection to more device types (up to 3 Mbps) over a more secure connection.
Bluetooth Stacks	StoneStreet	StoneStreet or Microsoft	Select the stack that best meets mobility needs.
Swappable Operating Systems	No	Yes	The ability to send the MC9190-G to a Motorola Service Center to switch between CE and Windows Mobile operating systems eliminates the need to purchase new mobile computers to accommodate a future OS migration.