

RFID HARDWARE

VENDOR	PRODUCT	TYPE	DESCRIPTION	APPLICATIONS	FEATURES	PRICE
ADT SECURITY SERVICES INC. Boca Raton, Fla. (800) 567-5675 www.adt.com	Sensormatic SensorID Agile 2 Reader	Reader	Multiprotocol, multifrequency reader that can simultaneously detect labels in both the UHF and HF spectrum	Retail supply chains	Reads all EPC protocols plus ISO 18000(6b) and I5693 labels, IO/100BaseT Ethernet support, optional 803.11b wireless Ethernet support; features reader side filtering, smoothing and masking using Reader Query Language	\$1,900 to \$2,700
ALIEN TECHNOLOGY CORP. Morgan Hill, Calif. (866) 734-3669 www.alientechnology.com	ALR-9800	Reader	Multiprotocol reader designed from the ground up for EPC Gen 2 compliance	Enterprise-level activity	XScale processor, Linux OS, 64MB RAM, 32MB Flash memory, SNMP remote management protocols, EPC reader protocols, DHCP, TCP/IP, SNTP network protocols, 50 hopping channels, 500-KHz channel spacing, four watts EIRP power, AC/DC power converter, four-port antenna, four inputs and eight outputs	\$1,947
APPLIED WIRELESS ID GROUP INC. Morgan Hill, Calif. (408) 779-1929 www.awid.com	MPR-30I4CR-QM-NA	Reader	Ruggedized multiprotocol reader with hard-drive backup	Conveyor, portal and lift truck environments	TCP/IP interface with PoE Plus (Power over Ethernet Plus), tag-dependent read range of 15 to 28 feet, dual power supply with auto-sense, IP 6.7 rated packaging (dust proof and temporary immersion in water), four antennas for simultaneous transmit/receive functions	\$1,948
	MPR-30I4NF-QM-NA	Reader	Multiprotocol network-upgradable reader that sells for \$1,000 in production volumes	Dock door and portals, supply chain asset tracking and monitoring	Four independent input and four output ports, hard-drive backup, TCO/IP interface with PoE Plus, wireless RFID reader system interface, operates all know RFID system software platforms	\$1,748
DATAMAX CORP. Orlando, Fla. (407) 578-8007 www.datamaxcorp.com	I-Class RFID Ready Printer	Printer	A smart-label printer that encodes data onto RF chips embedded into a label	Determined by the RFID categories sought by users	A field-installable module that supports EPCglobal and ISO standards, works with Datamax I-Class models I-4210, I-4212, I-4308, I-4406 and I-4604	\$1,497
	I-Class RFID Printer	Printer	A smart-label printer that encodes data onto RF chips embedded into a label	Determined by the RFID categories sought by users	Simultaneously encodes data on RFID tags while printing a graphical image on the surrounding label	\$2,034
INTERMEC CORP. Everett, Wash. (425) 348-2600 www.intermec.com	Intellitag PM4i Printer	Printer	A multifunction printer for creating RFID smart labels	RFID-enabled direct thermal and thermal-transfer label, ticket and tag printing	Prints up to 76 four- by six-inch labels per minute, prints roll-fed, die-cut, continuous or fanfold labels, tags or tickets, RS-232 interface at up to 115.2 Kbps, USB, EasyLAN Internal Ethernet IO/100BaseT, optional 802.11b wireless Ethernet, optional 16MB SRAM, 16MB Flash memory, backlit LCD display	\$4,219
	IF4 Fixed RFID Reader	Reader	A software-configurable RFID reader designed to read/write EPC Gen 2 and ISO tags	Designed for applications where an edge server or Programmable Logic Controller (PLC) is used for process control	Internal filtering to reduce network traffic, directly monitors and controls presence detectors and signal lights, downloadable firmware for migration path to ISO 18000-6c, four antenna connectors for reverse or standard SMA, four input and four output circuits for monitoring and controlling external devices	\$2,100 up
	IF5 Fixed RFID Reader	Reader	A software-configurable RFID reader designed to read/write EPC Gen 2 and ISO tags	Acts as an embedded Linux-based internal controller to host edge-server applications	Capable of filtering incoming tag data and sending only pertinent information upstream to the application server; based on a Linux platform and runs IBM Corp.'s WebSphere Everyplace Micro Environment, which eliminates the need for an additional PC for data filtering or processing at the point of collection; Ethernet IO/100BaseT or 802.11b wireless Ethernet communications options	\$3,509 up
IBM PRINTER DIVISION Boulder, Colo. (888) 746-4968 www.printers.ibm.com	Infoprint 6700	Printer	A multiprotocol RFID printer that provides flexible media handling and optional support for bar codes	Tag-dependent	Supports all EPC RFID protocols plus Philips Ucode I.19, prints labels up to four inches wide, automatic RFID decoding, encoding and validation, manages multiple printers remotely	\$3,025 to \$6,495
IMPINJ INC. Seattle (206) 517-5300 www.impinj.com	Speedway	Reader	A high-performance reader designed to support the D38EPC Gen 2 standard, a key element of Impinj's omnibus GrandPrix RFID solution	Any EPC Gen 2 application that is supported by relevant tags	Fast 15 tags/sec write time, 640Kbps data rate, patented interference rejection, field-rewritable NVM with 96-bit EPC for programming flexibility, available preprogramming of customer EPCs, multiprotocol capability, four full-duplex antenna ports	To be announced
OMRON CORP. Schaumburg, Ill. (888) 303-7343 www.omronrfid.com	V740-BA50C	Reader	Multiprotocol, multifrequency reader that can simultaneously read EPC and ISO labels	Retail logistics and material handling, global-scale supply chains	Firmware upgrade to EPC Class I Gen 2 protocols, two antenna ports, IO/100BaseT Ethernet support, Linux OS, extensive development software is included	\$2,600 up
PAXAR AMERICAS INC. Miamisburg, Ohio (888) 447-2927 www.paxar.com	Monarch 9855 RFMP	Printer	A multiprotocol printer/encoder with EPC Gen 2 capabilities	Smart-label generation	Writes to most major RFID protocol chips embedded in thermal-direct or thermal-transfer bar-code labels, 4MB Flash memory (optional 16MB), 16MB DRAM, up to 10 images/sec, supports the full range of antennas	Call vendor
PRINTRONIX INC. Irvine, Calif. (714) 368-2300 www.printronix.com	SL5000r MP2	Printer	A multiprotocol printer/encoder with EPC Gen 2 capabilities	Smart-label generation	Multiprotocol support includes EPC global Class 0, 0+, I, EPC Gen 2 and Philips Ucode I.19 standards, PowerPC controller, intelligent RFID tag management that identifies and overrides substandard RFID smart labels, intelligent media detection, wireless Ethernet option	\$6,000 up
	SLPA7000r MP2	Printer	A high-performance automated RFID printer for compliance and in-line applications that delivers true EPC Gen 2 RFID encoding	Smart-label generation	Same as above, with modular connectivity for higher throughput, performance levels up to 60 labels per minute, field-upgradable XML forms printing option	\$21,500
SAMSYS TECHNOLOGIES INC. Durham, N.C. (919) 281-1541 www.samsys.com	MP9320	Reader	Supports multiple tag protocols, multiregional compliance and programmability for a multitude of EPC applications environments	Supply chain, warehouse logistics, container tracking, asset management, pallet tracking, baggage handling	Multiprotocol support including EPC Gen 2; supports up to four antenna, four digital input and four digital output lines, multiple-read points with a single reader, RS0-232, RS-485 and IO/100 Ethernet connectivity, configurable output power and sensitivity	\$2,600
SATO AMERICA INC. Charlotte, N.C. (704) 644-1650 www.satoamerica.com	CL408e/412e	Printer	Web-based thermal wireless print server for RFID smart labels	Smart-label generation	4.1-inch wide print area, RISC multiprocessor, 203/305 dpi print resolution, Web based, plug-in interface modules (RS-232, IEEE 1284 parallel), Ethernet, Twinax/Coax, 16MB onboard memory with 22MB optional, 4MB Flash memory, up to 6 inches/sec printing speed	\$1,023 to \$3,195
SKYTEK INC. Westminster, Colo. (720) 565-0041 www.skyetek.com	SkyeModule M8	Embedded reader	An OEM module designed for integration into third-party equipment	Embedded into desktop, mobile and baggage tag printers, handheld PDAs, Tablet PCs, Smart Shelves, slot machines, kiosks	Software-adjustable power output, intelligent power management including sleep mode, user-selectable host interface settings, software-adjustable baud rates, developers kits available	\$2,499 for complete developers kit

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SMARTCODE CORP. Atlanta (404) 581-5501 www.smartcodecorp.com	SR-800 Series	Reader	Multiprotocol RFID readers with wireless options	All typical RFID applications	Handles multiple protocols, small footprint, wide voltage range	Call vendor
SYMBOL TECHNOLOGIES INC. Holtsville, N.Y. (631) 738-2400 www.symbol.com	XR400	Reader	Designed for full EPC Gen 2 dense-reader mode in dense RF environments where multiple RFID readers may produce interference with each other	All typical RFID applications	Acts as a standalone reader or a system component, hosts applications directly on the reader, enterprise connectivity via IO/100BaseT Ethernet, four transmit points, four receive points, 64MB DRAM, 64MB Flash memory, Win CE operating system, SNMP management protocols	\$2,299
	AR400	Reader	A multiprotocol industrial reader that provides asset identification and visibility at all critical designated read zones	Manufacturing plants, distribution centers, supply chain management	Dynamic read range of up to 25 feet, performs in clean and noisy RF environments, four transmit and four receive read points, SNMP remote management	\$3,800
	MC9000-G RFID	Reader	A mobile handheld RFID reader that provides real-time access to mission-critical information from key points in the supply chain	All typical RFID applications	Ruggedized design, Win CE operating system, Wireless LAN communications, Intel XScale processor, 3.8-inch backlit display, multimodal integrated bar-code scanning, imaging and RFID	\$1,632
	DC600	Portal system	A compact, packaged portal system designed to enable the rapid deployment of RFID technology at dock doors and doorways	Product and cargo identification	Turnkey design, second-generation multiprotocol RFID reader, light footprint and slim frame construction, remote-management software tools, ruggedized construction, integrated, easy-to-replace electronics module, real-time exception notification and handling through alerts and alarms	\$4,842
	DC400	Portal system	A turnkey RFID system for asset visibility entering or leaving designated read zones	Warehouses, distribution centers, cross dock locations, office doors, security gates, conveyor manufacturing lines	Turnkey design, dual-sided RFID coverage (i.e., for double dock doors), multiprotocol AR400 reader, high-performance antennas, range-adjustable motion sensors, visible and audible indicators, ruggedized industrial packaging, IP54 certified for dust and water resistance, adjustable service rack	\$8,240
THINGMAGIC Cambridge, Mass. (503) 691-2452 www.thingmagic.com	Mercury 4	Reader	Intelligent, network-ready multiprotocol Gen 2 reader	Tag-dependent	Multiprotocol (reads all varieties of EPC Class I and 0, as well as EPC Gen 2 tags), uses software-defined radio technology to read any tag, a digital signal processor that provides 600 MIPS of processing at 300-MHz speeds, Intel IXP420 XScale processor, standard 64MB of RAM and 16MB Flash memory, IO/100BaseT Ethernet support, two input and three output ports, RS-232 compatibility, handles up to four bistatic antennas	\$3,195 for startup kit
	Mercury 4e	Embedded reader	Embedded version of the Mercury 4 reader	Tag-dependent	Same as above, embedded into third-party equipment	Call vendor
	Mercury 4h	Handheld reader	Handheld version of the Mercury 4 reader	Tag-dependent	Same as the Mercury 4 in a handheld configuration	Call vendor
VUE TECHNOLOGY INC. Lake Forest, Calif. (800) 580-5957 www.vuetechnology.com	IntelliRouter	RFID router	Works with Vue's IntelliSwitch to enable a single RFID reader to be leveraged to network thousands of antennas	Routes RFID data and provides RF and power management between the RFID reader and the IntelliSwitch devices	RF data routing, device power management, OEM reader interface management and control (HF and UHF reader support), remote health checks and hardware monitoring, works with existing dock door, conveyor or fixed reader systems	To be announced
	IntelliSwitch	RFID switch	Ethernet-based device that works with IntelliRouter devices to increase the scalability of RFID readers by orders of magnitude	Antenna switching of the TrueVue network, maximizing the effectiveness of a single RFID reader	RF antenna switching, supports up to 16 antennas per switch, device power management, remote health checks and hardware monitoring, support for external sensors/displays and input devices	To be announced
WJ COMMUNICATIONS San Jose, Calif. (408) 577-6200 www.wj.com	Multiprotocol MPR 5000 RFID Card	PC card	RFID card that installs in any standard PC Card slot	Mobile	Firmware upgrade to EPC Class I Gen 2 protocols, 68-pin Parallel PCMCIA interface, Serial TTL interfaces, integral UHF antenna, extended PCMCIA Type II package	\$799
ZEBRA TECHNOLOGIES CORP. Vernon Hills, Ill. (847) 634-6700 www.zebra.com	RIIOPAX4	Printer	Firmware upgrade provides Gen 2 capabilities	Distribution, manufacturing, shipping, receiving, inventory management, supply chain management	Prints labels up to 4.1 inches wide at resolutions of 203 dpi or 300 dpi with speeds up to 12 inches/sec.	\$7,593
	RIIOXi	Printer	Firmware upgrade provides Gen 2 capabilities	Same as above, plus health care, aerospace, consumer packaged goods, freight transportation, inventory management, compliance labeling, warehouse management, ERP integration	Combines Xi performance with ThingMagic RFID reader module flexibility, precisely encodes small labels, prints labels up to four inches wide at resolutions of 203 dpi or 300 dpi, with speeds up to 10 inches/sec.	\$4,190
	RI70Xi	Printer	Firmware upgrade provides Gen 2 capabilities	Same as above	Provides label statistics tracking and features the ThingMagic RFID reader/encoder with software radio architecture, prints labels up to 6.6 inches wide at resolutions of 203 dpi or 300 dpi, with speeds up to 12 inches/sec.	\$5,995
	R4Mplus	Printer	Firmware upgrade provides Gen 2 capabilities	Same as above	UHF transponder support, ruggedized case, prints labels up to 4.09 inches wide at a resolution of 203 dpi, with speeds up to 10 inches/sec.	\$4,264