

System Type:	EPCglobal UHF (915 MHz) Class 1 (upgradable) 1 Watt RFID Engine
Supported EPC codes:	SGTIN, SSCC
Supported Tag Sizes:	64, 96, and 128 bit tags (Quark, Omega, Lepton)
Wipe-On Application Rate:	120 Tags/Minute (2 inch long label @ 100 FPM)
Tamp-On Application Rate:	75 Tags/Minute (2 inch long label @ 4 inch stroke)
Stand-Alone Features:	<ul style="list-style-type: none"> • User interface entry of EPC data, including: <i>SKU or Item Reference, Serial Number, and Company Prefix</i> • Automatic serialization of each tag • Variable length partitions for Company Prefix and Item Reference
System Features:	<ul style="list-style-type: none"> • RFID Engine firmware field-upgradable • Antenna position is adjustable for various tag locations within the label • Optional near-edge antenna mount for programming short length tags
Diagnostic Capabilities:	<ul style="list-style-type: none"> • Results of programming displayed while running • Information about EPC data and serial number displayed in status screen • Accumulated counts of good and bad tags
Interfacing:	<ul style="list-style-type: none"> • Standard RS232 serial port for inputting EPC tag data fields, retrieving status, and downloading firmware upgrades • Optional Ethernet module • Optional Discrete I/O module to signal <i>good/bad tag, reject label, machine error, rfid engine malfunction, system online, and many other standard label applicator signals</i>



Optional Peel Blade Antenna
(Handles 0.5 in. long tags with 1/8 th in. spacing)



RFID Module is Easy to Add
At anytime through standard PC104 expansion port inside LA/4500 unit

Diagraph's RFID Philosophy

Create unique solutions that build from a platform that allows for integrated, seamless solutions. This is possible through our own circuit designs which focus attention to expandability and future upgradability. Understand the technology in-depth, versus employing canned, off-the-shelf solutions, thus bypassing knowledge. By utilizing these strategies, we have successfully designed an integrated oem rfid module, designed our own antenna solutions, and managed the challenges of metallic interferences. With Diagraph's commitment to being technology leaders, our solutions are often imitated, but hardly duplicated.