

Xerafy Sets New Standard With 40-Meter Passive RFID Tag Powered by Impinj M830 and Gen2X Technology

SINGAPORE, SINGAPORE, April 15, 2025 /EINPresswire.com/ -- Xerafy today launched the upgraded Container OUTDOOR [RFID tag](#), delivering a record-breaking 40-meter (131-foot) read range on metal—the longest in the industry for a passive UHF RFID tag.

Powered by [Impinj's](#) M830 RFID chip with Gen2X technology, the new version redefines performance expectations for rugged asset tracking in logistics, supply chains, and outdoor industrial environments.

This milestone advances the goals of the RAIN RFID Alliance by enabling smarter, more efficient, and globally scalable asset tracking solutions based on open, standards-compliant RFID.

Next-Level Performance With Impinj M830 and Gen2X

Xerafy's engineers optimized the Container OUTDOOR's antenna design and housing to harness the full capabilities of the Impinj M830 chip, including support for Gen2X, the next evolution of the EPCglobal Gen2 protocol.

Key benefits include:

Unmatched read range: Up to 40 meters (131 feet) on metal surfaces

Dense-reader performance: Gen2X optimizations improve tag readability in high-traffic environments

Superior sensitivity and encoding speed for faster inventory operations

Protected Mode support: Safeguards tag data from unauthorized reading in open environments

Engineered for Harsh Industrial Environments

Built for durability and versatility, the Container OUTDOOR tag maintains peak performance in the most demanding outdoor conditions:



Rugged housing: UV-resistant and waterproof for long-term exposure
Mounting flexibility: Compatible with rivets, screws, cable ties, and adhesives

Surface versatility: Works on metal, plastic, and wood

Service Bureau options: Encoding, printing, and laser marking support available for turnkey deployment

Proven Across Mission-Critical Applications

The Container OUTDOOR is adopted by customers for:

Last-Mile Logistics – Improve delivery fleet visibility and speed up package handling

Supply Chain & Inventory Management – Automate tracking to reduce loss, theft, and shrinkage

Returnable Transport Packaging (RTP) – Optimize tracking and cycle times of reusable assets

Yard Management – Gain real-time location of containers and mobile assets across large outdoor sites

These applications demand long-range, high-reliability RFID—and that’s exactly what Container OUTDOOR delivers.

See Container OUTDOOR in Action

Watch the video to see how rugged RFID tags from Xerafy support real-time visibility in logistics and yard operations

“With the new Container OUTDOOR powered by the Impinj M830 and Gen2X technology, we’re setting a new standard for passive RFID performance in challenging environments,” said Michel Gillmann, Chief Marketing Officer at Xerafy. “This launch reflects our commitment to engineering excellence, close collaboration with Impinj, and our contribution to the RAIN RFID Alliance’s mission to make RFID more accessible, scalable, and impactful across industries.”

The Container OUTDOOR M830 is now shipping globally through Xerafy and its network of Authorized Partners.

Test samples are available for evaluation.

Contact Xerafy to explore integration options for your asset tracking systems.

About Xerafy



Xerafy RFID Tag Container OUTDOOR on Shipping Container

Xerafy enables digital transformation at Fortune 500 companies with benchmark-setting RFID tagging solutions, deep domain expertise, and award-winning engineering. A pioneer in industrial RFID, Xerafy provides rugged, high-performance tags for tracking assets across energy, healthcare, logistics, and manufacturing.

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