



New RFID Architecture From Reva Systems

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Frontline Solutions



June 9, 2005 -- Reva Systems has released its RFID infrastructure solution, the Tag Acquisition Network (TAN), to help make RFID pilots scaleable and repeatable across the enterprise.

"Most pilots don't scale right now," said Ashley Stephenson, CEO of Reva. "There is a lot of customization, a lot of technical barriers, and different environments at each location. Large roll-outs are resource intensive."

Chelmsford, Mass.-based Reva has applied networking principles similar to those employed in LANs, wireless LANs, and storage-area networks (SANs) to RFID in order to integrate each local Tag Acquisition Network as part of the enterprise infrastructure. By adding a layer of networking intelligence to local networks of RFID readers and tags, the architecture enables scalable, enterprise-wide RFID adoption.

"The addition of RFID readers to the enterprise network is more than the simple connection of a new class of networked device," said Stephenson. "To truly leverage the benefit of RFID now and in the future, adopters require a robust architecture for building an intelligent, scalable, reliable, and repeatable infrastructure from the start."

Reva's platform operates on a network-centric model, with readers managed like standard IP devices. "Users need to insulate their applications from the specifics of the reader implementation," Stephenson said. "The applications companies don't really want to be in the reader control business."

Reva has also drafted a proposal for a standardized reader-to-network protocol called Simply Lightweight RFID Reader Protocol (SLRRP), which it submitted to EPCglobal and the Internet Engineering Task Force (IETF).

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