

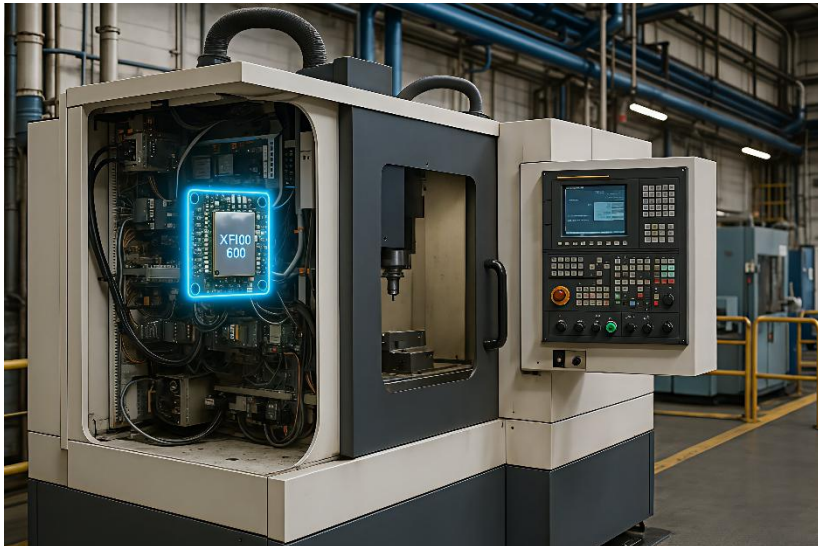
The Lantronix logo features the word "LANTRONIX" in a bold, sans-serif font. The letters "LANTRON" are white, while "IX" is orange. A registered trademark symbol (®) is positioned to the upper right of the "X".

LANTRONIX®

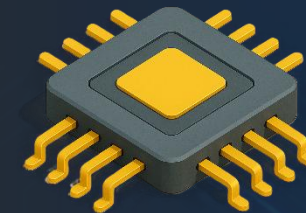
Embedded Wi-Fi 6 Host less Modules

April 2026

xPico 600: Secure and Reliable Industrial Machine Network Connectivity



Wi-Fi 6 and BLE 5.4 for Real-Time Data Logging, Remote Monitoring, and Firmware Resilience



Pain Points in Industrial Machine Connectivity



Unreliable Connectivity

- Interference from machinery, metal structures, and other IoT devices.
- Question: "How often do your machines experience connectivity dropouts in high-interference areas?"

InfiniShield™
Security

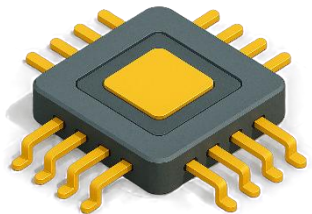


Security Risks

- Vulnerabilities in wireless data transmission (e.g., MITM attacks).
- Question: "What security protocols are you using to protect your machine data?"

Firmware Stability

- Crashes or corruption due to power fluctuations or OTA update failures.
- Question: "Have you faced downtime due to firmware issues? How do you currently handle updates?"



Data Logging and Latency

- Latency in transmitting sensor data to cloud/SCADA systems.
- Question: "What's your current data logging latency, and how does it impact your operations?"

Smart Machines Connectivity

Connectivity for Retail, Logistics, and Industrial Machines



› Applications

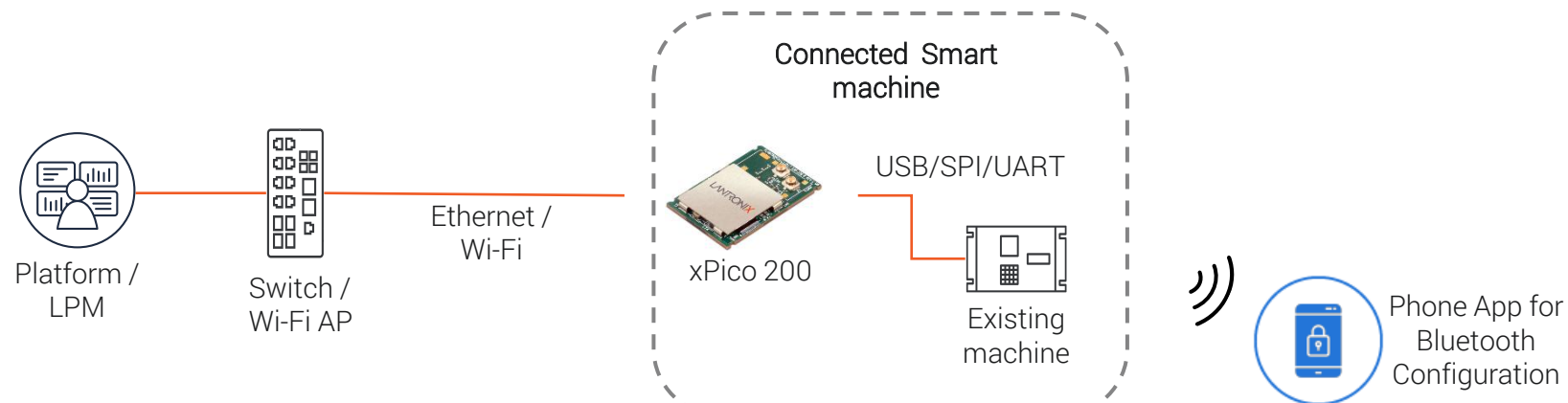
- › Retail & POS Systems
- › Generators, Pumps, Compressors & Motors controller
- › Barcode scanner, Printer, Scales

› Use case

- › Network connected machines for central management

› Why Customer Choose Lantronix

- › Pre-certified modules
- › Custom WebUI and application scripts
- › SoftAP
- › Secure boot & Long term support



How xPico 600 Solves These Challenges



Unreliable Connectivity

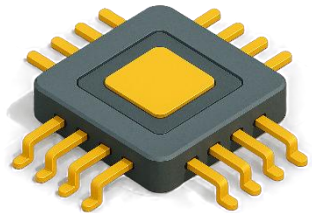
- Wi-Fi 6 (802.11ax) with OFDMA and MU-MIMO
- 60% lower latency in congested environments

InfiniShield™
Security



Security Risks

- InfiniShield™ (WPA3, TLS 1.3, AES-256)
- Zero breaches in deployed systems



Firmware Stability

- Secure Boot + OTA with Rollback
- 99.9% uptime in field tests
- Pre-Integrated Perception for Cybersecurity Lifecycle Management



Data Logging and Latency

- Dual-band Wi-Fi + BLE 5.4 for redundant connectivity
- <10 ms latency for critical data

Industrial Machine Network Connectivity with xPico 600

Scenario: A manufacturing plant deploying 50+ CNC machines needed:

- Real-time telemetry (machine status, performance metrics, predictive maintenance).
- Secure OTA updates for firmware.
- Redundant connectivity (Wi-Fi + BLE fallback).

Data Logging

- CNC machine sensors → xPico 600 → MQTT to AWS IoT Core (latency: <50 ms).

Connectivity

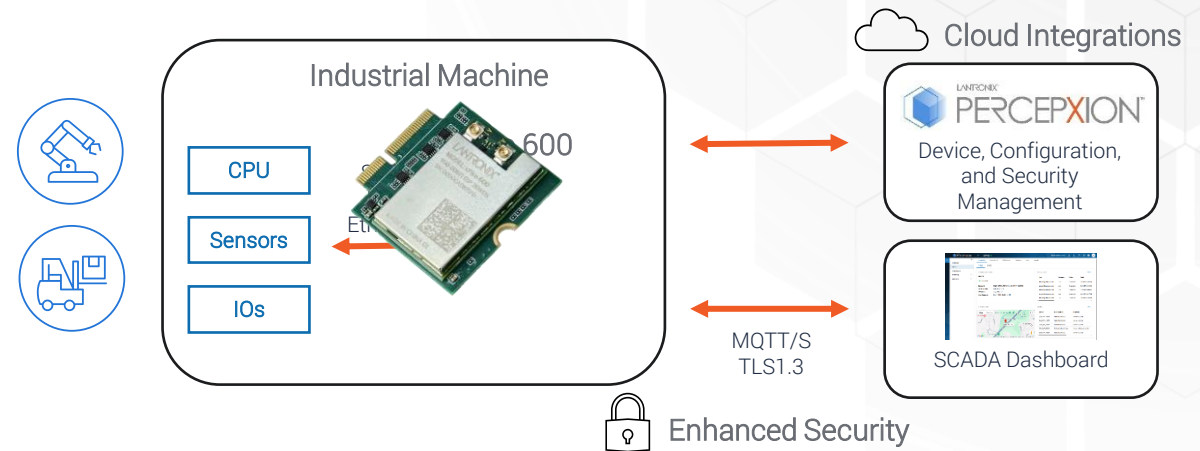
- Wi-Fi 6 for high-speed data to cloud. Even in dense industrial environment.
- BLE 5.4 for local diagnostics via tablet.

Security

- WPA3 Enterprise encryption for Wi-Fi is mandatory.
- TLS 1.3 for cloud data security and fast transmission

Firmware

- OTA updates with rollback (0% failure rate in 12 months).



40% faster deployment vs. custom Wi-Fi/BLE solutions.
\$200K/year saved in downtime avoidance.
100% compliance with plant cybersecurity policies.

What's next?

- **Order your own Eval Kit:**

From your local distributor <https://www.lantronix.com/to-buy/locate-partner/> ,or

From our online reseller like mouser:

<https://www.mouser.com/ProductDetail/Lantronix/XPC600100EK?qs=KLj0QfLrw0HQQ5CFvG5Hxg%3D%3D>

- **Contact us:**

Contact your Lantronix representative to organize a call with our expert FAE, they will guide you in the connectivity modules integration and prepare a POC with our Eval Kit.

- **Website link:**

<https://www.lantronix.com/products/xpico-600-embedded-iot-gateway/>

Thank You!



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LANTRONIX

Global Industrial IoT Leader based in Irvine, CA