NTX Embedded
Trust One Team

About NTX Embedded
The Versatile Embedded HMI Platform

NTX Embedded is a trusted Global leader in designing and manufacturing customized HMI platforms tailored to meet specific needs. We specialize in providing cutting-edge solutions that seamlessly combine advanced technology with innovative design, ensuring exceptional reliability, performance, and user satisfaction.
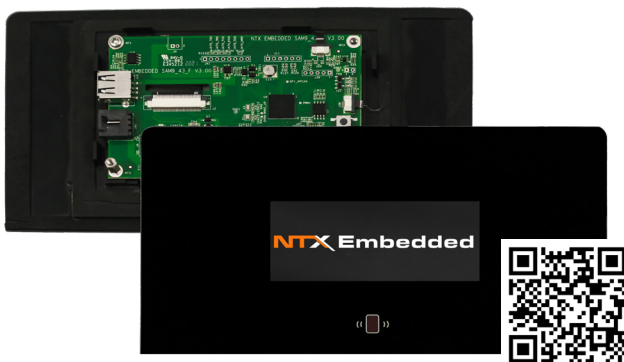
User-Centered Design
Intuitive interfaces ensure ease of use and operational efficiency.

Efficient Development
NTX agile workflows to ensure delivery and quality results from concept to deployment.

Rigorous Testing
Products are thoroughly tested for performance and durability in extreme conditions.

SAM9 Collection

The SAM9 Platform is a compact, high-performance HMI system designed for industrial and outdoor applications. It combines durability, advanced connectivity, and exceptional display capabilities. Ideal for space constrained environments.SAM9 delivers scalable, customizable solutions tailored to meet specific customer needs.

✔ **Robust Performance**
600MHz ARM926EJ-S core with optimized memory architecture(Memory Bus 32 kB Data and Instruction Cache) ensures efficient processing and seamless multitasking.

✔ **Advanced Connectivity**
Dual 10/1000 Ethernet, Dual CAN, Dual SD Card/Emmc Two High-speed USB Host + One High-speed Host or Device Thirteen FLEXCOMs (USART, SPI and I²C).

✔ **Enhanced Displays**
Sunlight-readable displays with up to 1000 nits brightness, high-impact resistance, 2D Graphics Engine, and up to 50,000 hours of life expectancy, plus 24-bit LCD Controller.

✔ **Rugged Durability**
Built to operate in harsh environments with wide temperature (-20°C to 85°C) and Operating Humidity 20% to 90%, IP-rated protection, vibration resistance, and conformal coatings.

SPM9 RUGGED HMI SOLUTION

Built to Perform in Any Environment

The SAM9 platform is fully customizable, offering flexibility in display configuration, connectivity options, and additional features to meet your specific application requirements. From rugged outdoor installations to industrial automation, SAM9 adapts to your needs.

Core Capabilities:

Environmental Resilience

- Wide temperature range (-20°C to 85°C) for extreme environments.
- Conformal coating (Acrylic and Silicon-Based) for durability.
- Resilient in 20%-90% humidity.

Performance Architecture

- 600MHz ARM926EJ-S processor with 200MHz system bus.
- 64Mbit SDRAM and 64kB internal SRAM for seamless operation.
- Memory Bus 32 KB data cache and 32 KB instruction cache.

Display Specifications:

- Sunlight-readable with 500-1000 nits brightness.
- Available in various sizes with up to 800x600 resolution 7".
- Power-efficient operation: 5W-15W with low-power modes.

Connectivity Options

- Dual 10/1000 Ethernet for stable networking.
- USB ports (3 total) for versatile device integration.
- FLEXCOM interfaces for USART, SPI, and I²C protocols.

Why Choose NTX Embedded?

TX Embedded delivers tailored solutions with a proven track record of innovation and reliability. We ensure every Spada system is customized, tested, and optimized, offering end-to-end support and unmatched quality.

- **Custom Solutions:** Tailored systems designed to fit your application needs.

- **Proven Reliability:** Rigorous testing ensures seamless performance and long-term success.

- **End-to-End Support:** From design to deployment, we ensure your success.