

ENTOUCH

Next Level System (NLS)



Smarter Buildings. Better Business.

Entouch NLS. Next-generation edge controller.

More than a thermostat. A controller for the whole site.

NLS is Entouch's next-generation edge controller for multisite facilities. Native BACnet MS/TP is built in, and full local processing runs at the controller, so it keeps working and keeps thinking at the edge.

FEATURES

- **Native BACnet** — MS/TP built in through an onboard RS485 port. No extra hardware.
- **Security** — WPA3 and SAE wireless security. Hardware-level Secure Boot.
- **Open platform** — Runs BACnet and MiWi mesh side by side.
- **Edge compute** — Full local processing and analytics at the controller. A general-purpose edge controller, not just a thermostat.
- **One SKU** — A single unified SKU covers both Wi-Fi and LAN deployments.

THE ENTOUCH PLATFORM

Every Entouch device reports to one platform. Controllers, lighting and load control, energy meters and wireless sensors feed Entouch Cloud, so your team sees every site from one place. Our patented technology, mobile install app and cloud commissioning tools make installs one-and-done, without disrupting the business.

TECHNICAL SPECIFICATIONS

HARDWARE

- NLS Rev D
- Low-power-draw processor
- 5-inch capacitive touchscreen

WIRELESS

- Wi-Fi 6 (802.11ax) with WPA3/SAE
- Continued support for Wi-Fi 3 and Wi-Fi 4, plus Wi-Fi 5

BUILDING PROTOCOLS

- BACnet MS/TP, native via onboard RS485
- MiWi mesh

SOFTWARE PLATFORM

- Linux kernel 6.18 LTS, Microchip certified and supported
- Crypto stack: OpenSSL 3.4.4
- Hardware acceleration for AES encryption and SHA hashing
- TLS 1.3

SECURITY

- Secure Boot, hardware level
- WPA3 and SAE

