

NEXUS

TECHNICAL SPECIFICATIONS

The NX1 represents Commтел's commitment to advancing our product offerings and delivering a robust IP intercom designed for seamless, secure entry.

As the first IP intercom from Commтел, it signifies a significant step forward in providing modern and advanced technology. The NX1 is delivered with Ethernet and 4G connectivity as standard. It ensures effortless installation and remote management through the Commтел NEXUS App delivering a seamless experience for both installers and users.

Dimensions

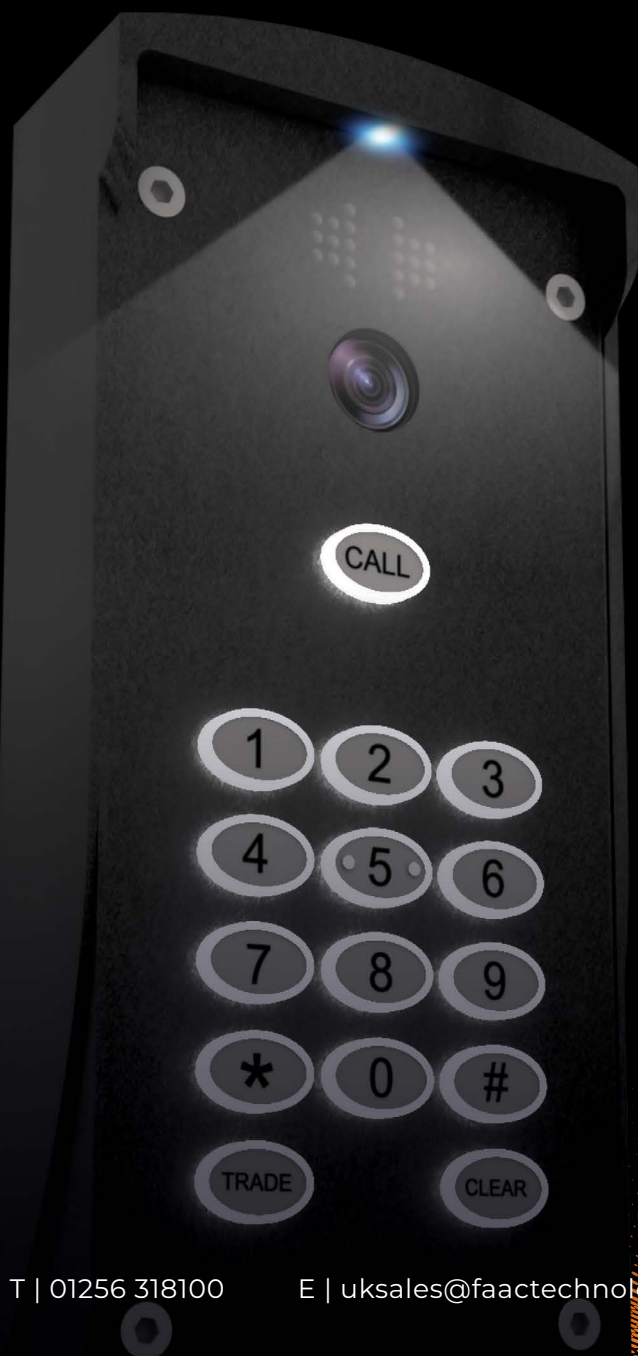
H 224mm x W 96mm x D 40mm

Commтел NEXUS User App

- Receive video calls and notifications.
- Users can manage and configure their NX1 intercom remotely.
- Simply scan the invite code and register for an account to get started!*
- To download the Commтел NEXUS App, click the relevant icon below.



**During the install process, the invite code is produced after initialisation. This should be scanned by the system's Admin (not the Installer) using the Commтел NEXUS App.*



KEY FEATURES OF THE NX1



4G & Ethernet as Standard

Dual Connectivity to allow for dynamic delivery and function.



Easy Installation

Initialisation and set up via the Commтел CONFIG App – no need for a laptop.



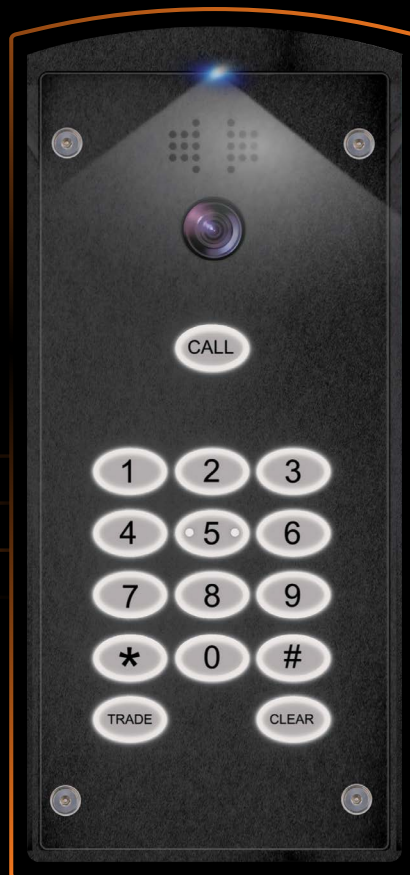
Mobile Configuration

Full system setup and management directly from a smartphone.



Customisable Relays

Pulse, latch, unlatch and toggle each relay for flexible installation options.



IP Based Intercom

Communication via the internet as opposed to GSM.



High Quality Video

High-resolution imaging for reliable video calling.



Clear Visibility in Low Light

Designed for reliable ambient light performance.



Worldwide Time Clock

20x time periods and automatic public holiday recognition.



User-Friendly App

Receive video calls, notifications, and manage configuration remotely via the Commтел NEXUS App.

SIP CALLING

FLEXIBLE ENTRY CONTROL

WHAT IS SIP?

SIP (Session Initiation Protocol) is a technology that allows the NX1 intercom to make and receive calls over the internet no need for a video monitor or app-based calling.

WHY WOULD I NEED A SIP SUBSCRIPTION?

A SIP subscription enables two key features that enhance how you control your entry points:

Dial to open: Add your phone number to the system's white list and call the intercom to trigger the relay — perfect for quick, remote access using your mobile.

Voice call alerts: When a visitor presses the call button, the intercom can dial your mobile or landline as a regular phone call. This keeps things simple and reliable, especially in areas with weak mobile data.

HOW DO I GET IT?

SIP functionality is built into the NX1, but you'll need a subscription to activate it. You can set this up and manage it via the Comm^{tel} NEXUS app.

WHAT ARE THE BENEFITS?

- Works on any phone (mobile or landline)
- No need to install additional apps
- Reliable voice calls, even in low-data areas
- Ideal for users who prefer traditional phone control

PRICING

£5 + VAT per month or

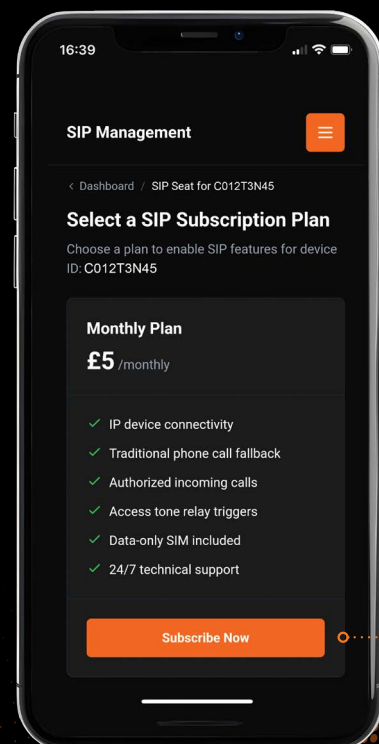
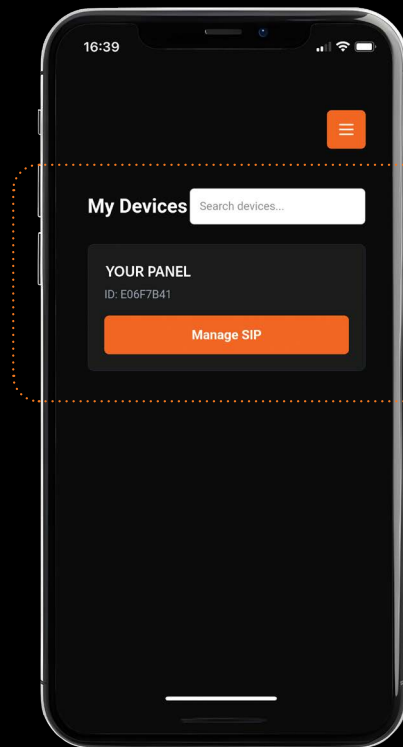
£60 + VAT per year

OTHER WAYS TO CONTROL ENTRY

If SIP isn't active, the NX1 still offers smart, secure ways to manage entry:

In-app controls: Use the Comm^{tel} NEXUS app to view a live video feed and open the entrance remotely by tapping the green open button.

Entry codes: Set unique codes to unlock the entrance. These can be restricted using the on-board time clock, so they only work at certain times of day.



TECHNICAL SPECIFICATIONS

User Capacity	500
Call Points	1
Call Diverts	6
Dial to Open	Via SIP where activated. (Subscription charges apply)
Activity Log	Downloadable via Commтел NEXUS App.
Connectivity	Network Options: Ethernet and 4G. SIM Requirements: Data-only SIM*.
Worldwide Time Clock	The on board time clock enables custom profile functions to be activated. 20x time periods with automatic public holiday recognition. Timed latch & trade button.
Keypad	Vandal resistant with RGBW colour control. Adjustable illumination levels.
Warranty	2 year manufacturer's warranty.
Apps	Commтел NEXUS – End User App. Commтел CONFIG – Installer App.
Programming	Remotely programmable via the Commтел CONFIG or Commтел NEXUS App. Initial set up required by the installer via the Commтел CONFIG App. The Installer can configure programming for 30 days after initialisation, or until access is revoked by the Admin. The Admin can invite the Installer to configure the unit at any time after the 30-day period has ended.
Video Feed	Video feed viewable only to authorised Commтел NEXUS App users. Using the Commтел NEXUS App will consume mobile data and may result in additional charges if not connected to a Wi-Fi network.
Camera	Resolution: 1280 x 960 30fps. Low-Light Performance: Ultra-clear visibility (<i>Requires a form of ambient light</i>). Activation: Built-in camera activates during a call. Angle: 98.4 degrees horizontal, 75.2 degrees vertical.
Power	Power Supply: 12V DC (compatible with existing Commтел systems).
Relays & Inputs	1 x 2A – N/O or N/C default. 2 x 200mA – N/O default, programmable (latch, unlatch, toggle, pulse). Auxiliary Inputs: 2 x inputs for external devices (e.g. ground loops, PTE buttons etc.)
Telephone Type	For audio calls, a SIP subscription is required via the Commтел NEXUS App. A smartphone is required to view the video feed, however, residents who do not have access to a smartphone can receive a voice call from the intercom to allow access to their visitors.
SIP Subscription	Dial to Open – Call the intercom from an authorised number to activate the relay and open gates/doors. Phone Call Notifications – Receive standard phone calls from the intercom instead of video calls. SIP is built-in but requires a separate paid subscription, managed via the Commтел NEXUS App.
Volume	Adjustable 1 – 9 levels.
Configuration	Standalone. Integration with supplementary TelPad.
Build	Materials: 316 marine grade stainless steel faceplate and moulded aluminium back box, all powder coated black. Dimensions: 216mmH x 99mmW x 40mmD Weight: 1.1kg

*SIM – Data SIM supplied. Optional and subject to activation order. If you choose to use your own SIM card, please note that it must be a Data SIM.



Raising Standards
Advancing Safety