Specifications

The Arch NX WiFi-enabled desk-height controller is equipped with proprietary firmware from Nura Space, offering a seamless integration with Nura Space's Workplace Management Software cloud-based system. Providing a comprehensive solution for remote control and management in large scale desking environments, the integrated desk controller allows users to adapt each desk configuration in real-time via the Nura Space platform, without the need for physical interaction. From a management perspective, the WiFi-enabled controller offers organisations unique capabilities to actively monitor the operating conditions of the desks, as well as control the settings of multiple desks in one go.

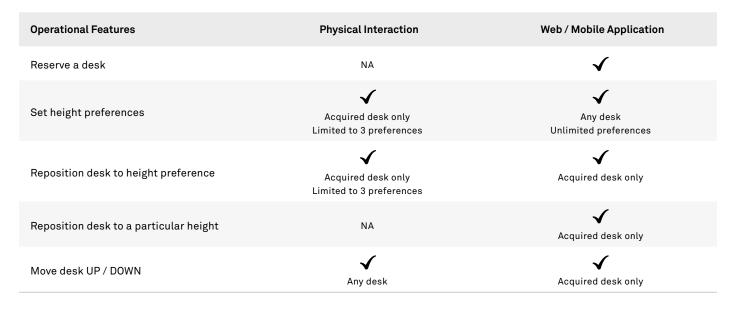
The Arch NX WiFi-enabled desk-height controller offers enterprise security that covers the entire product life cycle, starting from production to end-of-life disposal.

Operational Features

Together with the Nura Space Workplace Management Software, the WiFi-enabled desk-height controller offers features targeting both end users and system administrators.

Besides the below features, the Arch NX WiFi-enabled desk-height controller also synchronises height preferences across acquired desks and the Nura Space cloud system, preventing data from being lost. The desk will also be pre-configured prior to the users arrival.

Employee / End User





Specifications

System Administrator Features

Operational Features	Physical Interaction	Web Application*
Reposition desks to a particular height	ΝΑ	\checkmark
Configure desk settings	NA	\checkmark
Monitor desk operating conditions ¹	ΝΑ	\checkmark
Turn ON/OFF RF module ²	Single-chosen desk With privileged access only	\checkmark
Add/remove/modify RF related credentials ³	ΝΑ	\checkmark
OTA update	NA	\checkmark
Factory reset devices	NA	\checkmark
Decommission devices	ΝΑ	\checkmark

Notes:

(1) The desk operating conditions currently offered are but not limited to: Desk height, maximum/minimum desk height, desk location, anti-collision sensitivity, power consumption, connected SSID, connected AP MAC, device MAC, wireless RSSI, HASH valuess for sensitivity information

(2) The RF module might include WiFi only module, or WiFi/BLE integrated module

(3) One-way communication only, a failed operation will result in the devices having to be decommissioned and re-deployed



* Multi-chosen desk

Specifications

Security-based approach in device life cycle management

The Arch NX controller adopts a security-based approach throughout the entire device life cycle, starting from the development phase to end-of-life disposal. Clients are also provided with options to determine when and where the data should be stored, ensuring high flexibilities without compromising the security of the system.

Development

The firmware/software development is developed in house in Australia with authorised equipment.

Production

A digital signed and encrypted firmware without Nura Space integration is given to the manufacturer in China. At this stage, the device does not hold any client's information, ensuring high security level is provided.

Deployment

Completed by Authorised Schiavello or Nura Space personnel, the integrated part of the firmware is added onto the device prior to or onsite. At this stage, the client can also choose to include wireless configuration and other information either on our secured factory or on client's site.

Maintenance

The devices continue to report their operating condition in real time. Unqualified devices are reported and fall through the DECOMMISSION phase. New devices are onboarded using the above process.

Decomissions

The devices are factory reset and all data on the device is permanently deleted. The devices can be re-deployed if the error leading to the decommission relates to software/firmware only. Otherwise, the devices are destroyed in the DISPOSAL phase.

Disposal

The devices are physically destroyed.

Hardware Characteristics

Operating voltage	5V ± 10%		WiFi	Physical protocol: IEEE 802.11 b/g/n-compliant Corrier frequency: 2 (CHz)
Power consumption	Тур. 0.1 W			 Carrier frequency: 2.4GHz Bandwidth: 20MHz 40MHz Authentication method: WPA2-PSK/WPA2-Enterprise WPA3-PSK/WPA3-Enterprise
Operating Temperature	Typ30°C-55°C			
Display	3-digits LED screen			
Memory position	3		Bluetooth	Bluetooth 5.0 low energy
Dimension	64 x 130 x 31 mm	Motor driver comparability Certificates		
Connector	RJ45		NB02 (Phoenix Mecano)	
Flash Security	 Firmware digital signature: _ RSA-PSS Flash encryption: _ XTS-AES 256 bits 		Certificates	 ESD protection ± 15kV contact discharge ± 21kV air discharge Vibration protection ACMA, RSM, SIRIM, ANATEL, NCC, KCC, TELEC,
				FCC, CE, CE, SRRC, WiFi certifications

