PRODUCT OVERVIEW

arbn well is an environmental quality measurement and analysis system based on high-quality, low-cost sensing. It comprises a dense network of sensors measuring a variety of parameters affecting human health and comfort. This continuous and ubiquitous sensing is supplemented by occupant feedback (collected using the arbn well app), to create a uniquely rich and detailed picture of environmental conditions inside buildings and the satisfaction of occupants. Based on the needs of a client, three devices are available: Comfort, AQ, and AQ+. All three of these devices communicate data to a gateway device.

For more information, go to www.arbnco.com/arbn-well or write to us as info@arbnco.com.

APPLICATIONS

The arbn well system can be used in several applications including:

- Commercial (offices, conference rooms)
- Education (classrooms, auditoria, offices)
- Government (offices, conference rooms)
- Healthcare (wards, offices, common areas)
- Residential (bedrooms, living spaces)
- Urban farming (non-condensing applications)

Each application does not necessarily require each device, but all applications require a gateway.

GATEWAY FEATURES

- LoRaWAN protocol supported
- Uart interface
- AES128 encryption
- 8 channel communication simultaneously
- Configurable parameters
- GPS support
- Long range

GENERAL	
MOUNTING	Command Brand® Damage-Free Hanging Strips; 5 strips per gateway
DIMENSIONS	145x95x40mm
WEIGHT	715g
OPERATING/STORAGE TEMPERATURE	-40-75 °C
WARRANTY	Standard warranty of 1 year for factory defects
CERTIFICATIONS	CE, FCC
ELECTRICAL	
POWER SOURCE	PoE+ 48 Input, IEEE 802.3 af/at
VOLTAGE RANGE	42.5–57V
POWER RANGE	25.5–34.2W
COMMUNICATIONS	
Sub-GHz (LoRa)	Supported channels: US902-928, EU863-870, AS923, AU915-928, KR920-923, CN470-780
Other communication capabilities	Ethernet