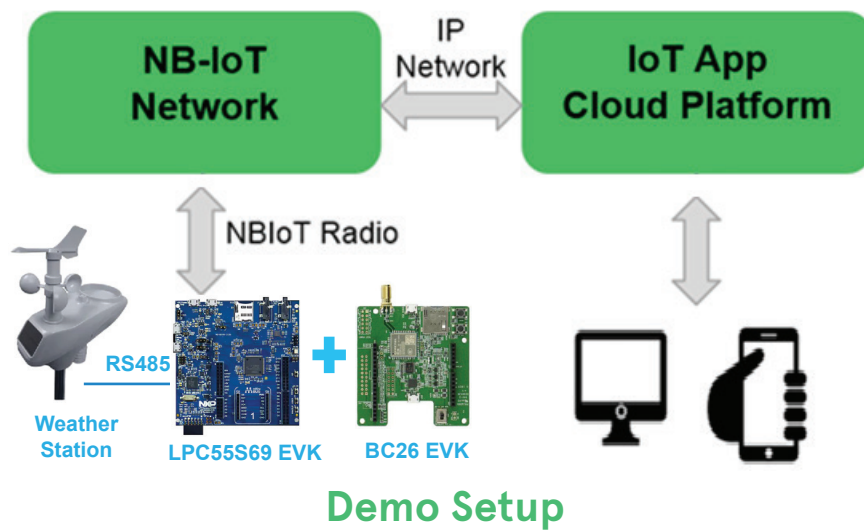


NB-IoT Demo

- Weather Station



Overview

This cellular IoT environmental monitoring solution is based on Quectel LPWAN module BC26, NXP LPC55S69 MCU and a weather station. The developed state-of-the-art security coupled with global band support renders it suitable for market adoption worldwide.


Avnet's simplified out-of-box connection experience for NB-IoT network has truly realized the edge-to-enterprise complete IoT eco-system.

Features

- Weather information
 - 16s interval
 - Wind direction
 - Wind speed
 - Temperature
 - Humidity
 - Rainfall
 - UV
 - Ambient light
 - Pressure
- Processor Security – LPC55S69
 - TrustZone
 - Secure Boot
 - Hardware Crypto Accelerator
- Connectivity – BC26
 - NB1 supporting 3GPP Rel.13 and 14
 - Global band – B1/B2/B3/B5/B8/B12/B13/B17/ B18/B19/B20/B25/B26/B28/B66
 - Dimension – 17.7mm × 15.8mm × 2.3mm
 - Protocol – UDP/TCP/CoAP/LWM2M/PPP/SSL/DTLS/FTP/HTTP/MQTT/HTTPS

Target Applications

- Environmental monitoring
- Utilities meter
- Agriculture
- Vending machine
- POS terminal

 Cloud Portal Access
Password: **avnet**

 Video