



q200 Guardian Brief

Empowered by Microsoft Azure Sphere.

Secured series

Revision: q200 Guardian

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1. Overview

The *q200 Guardian* is a platform based on *qiiio Concentrator XN* empowered by Microsoft Azure Sphere suitable for secure IoT solution.

Due to resource limitation on Azure Sphere, qiiio added a companion controller acting in order to enable cellular connectivity, provide additional security updates and enable device health monitoring. Note that the companion controller has been developed with respect to Microsoft security recommendations and guidelines in order to provide the best in class security and connectivity for IoT.

The *q200 Guardian* solution has been designed for large deployments working seamlessly with qiiio cloud services for Azure. Please contact qiiio for more information about the general availability date of *q200 Guardian*.

2. The q200 Guardian

The *q200 Guardian* is delivered with the *qiiio Concentrator XN*:



FCCID: GC520240Q200



The *q200 Guardian* is ideal for large deployments. It provides also all the interfaces exposed by the *qiiio Concentrator XN*:

LED	<ul style="list-style-type: none">- Cellular connectivity status- Power- 3 GPIOs
12 Pin ADC/PWM port	<ul style="list-style-type: none">- 6 ADC- 3 PWM- 3.3V, GND
3 x Independent ISU ports	<ul style="list-style-type: none">- I2C- SPI- UART
USB-C-Port	<ul style="list-style-type: none">- USB<->UART (ISU4)- Power supply (5V, 3A)
Power Connector	5V, 3A
RJ45	WAN

The device is equipped with embedded antennas:

Cellular	<ul style="list-style-type: none">- 2G- 3G- 4G
WiFi	<ul style="list-style-type: none">- 2.4 GHz- 5 GHz
GNSS	<ul style="list-style-type: none">- GPS- GLONASS- BeiDou- Galileo