

MYNXG[®] EXTENSION CARD EC 1

Your Bridge to IoT!



The MYNXG Extension Card enables the collect on of your data through a mult tude of standards and conf gurat ons. It creates a secure bridge between the MYNXG Controller and the sensors and machines. This enables new ways of wireless business intelligence from any place towards your MYNXG Controller. Your data is aggregated and pre-processed by the MYNXG Controller. The MYNXG IoT architecture will present the data and will create a meaningful decision basis out of your data. MyOmega will publish towards the MYNXG licensee's community the full documentat on to enable free creat on of further extension cards.

MYNXG EC 1 OFFERING

MYNXG EC 1 provides a high-performance link between the MYNXG Controller, sensors & machines.

MYNXG EC 1 command sets and interfaces are open and will be adaptable to the users needs.

MYNXG EC 1 collects and transmits data securely from as far as 3km (outdoors).

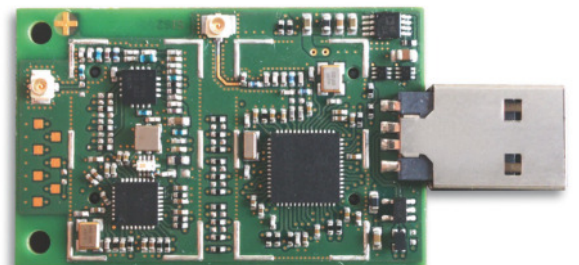
MYNXG EC 1 ut lizes the USB interface — Plug & Play.

MYNXG EC 1 is designed to control sensor networks.

MYNXG EC 1 exploits 2.4 GHz and Sub GHz technology.

IoT standardized protocols LWM2M and CoAP are ut lized.

Half Mini PCI form factor: 50mm(L) * 30mm(W) * 10mm(H).



MYNXG EC 1 OFFERING

MYNXG EC 1 is provided a stand-alone product or with the MYNXG Controller.

MYNXG EC 1 full performance will be made available with MYNXG SW.

MYNXG EC 1 is controlled via the USB interface and with a set of 30 commands.

SW FEATURES

Physical layer according IEEE 802.15.4

Protocol layer according to 6LoWPAN IETF.

CoAP LWM2M command set with 30 commands.

IPv 6 standard compliant addressing.

Security via Generic Bootstrap Architecture.



HW FEATURES

TI* Processor & Transceiver CC 2538 for 2.4 GHz.

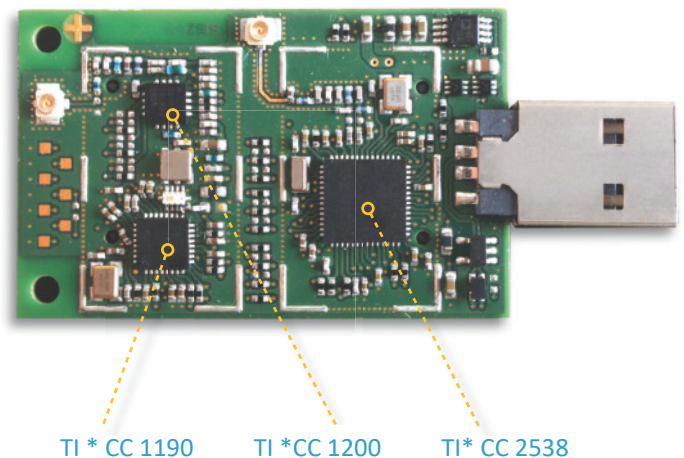
Transceiver Chip CC1200 for 868 Mhz & 915 MHz.

Power Booster CC 1190 for 27 dBm power.

Bitrates of up to 50kbps supported.

Size: 50mm(L) * 30mm(W) * 10mm(H).

Extension card shown without shieldings.



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