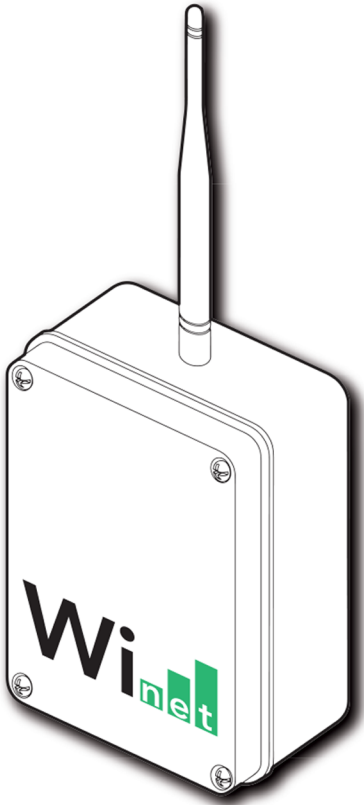


Winet Router Node



Model: NOD-AQ

Winet Nodes create a robust and flexible Wireless Sensor Network with highly-configurable hardware and software to match every customer need.

Thanks to its exclusive hardware-flexible architecture, every node can interconnect most of the market available sensors independently from the technologies they've been realized with.

Nodes are Solar and Battery powered, a dual energetic approach working on the deeply developed energy saving routing protocol from Winet, that guarantees really long lifetime.

Winet Nodes radio capability is able to cover long distances with minimum energy consumption, and thanks to the fault-recovery algorithm network stills run even in presence of nodes failure, making the whole system almost failure-free

Winet network relies on two types of nodes, Router nodes and Coordinator node, a special node that adds GPRS capability to the network and gives you the opportunity to monitor your sensors on a practical and easy-to-use web interface.

Main Features (Router Node):

- Max number of sensors : 4 (12 bit) + 8 (16bit)
- Radio : 2.4GHz with external antenna
- Power Source: Solar panel + battery
- Range between nodes: up to 1 Km*
- Estimated battery lifetime: up to 1 year w/o solar panel, 3 years+ w/ solar panel*
- Highly configurable acquiring time
- RTC precision clock
- Highly configurable general purpose inputs and outputs
- High performances ADCs for interfacing extremely precise sensors
- Non-volatile memory to keep your data safe

Winet Network is Ideal for:

- Environmental and agriculture monitoring
- Landslides detection and monitoring
- Structural and building monitoring
- Irrigation systems remote control

Mechanical specs.

- Temperature range: -20 °C +70°C
- Enclosure Protection: IP 56
- Weight: 200 gr. without battery
- Waterproof IP 68 sensor connectors
- Size: 150x110x70 mm , without antenna
- Ready for Pole Mount or Wall Mount

Electrical and other specs.

- 6V Pb battery (12V optional)
- IEEE 802.15.4 radio standard compliant

* performances may vary depending on installation site, weather conditions, user settings, presence of obstacles or radio jamming devices.
All technical data is not binding and can be changed any time without prior notice.

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WIRELESS SENSOR NETWORKS

Terms And Conditions

LIABILITY FOR FAULTS AND/OR DEFECTS IN THE PRODUCT– Considering that the application and installation is subject to numerous variables (destination of product, compatibility with the system/machine of destination, storage conditions of the client, etc.) that are beyond the seller's control and over which he has no power of intervention, Winet S.r.l. may not be held liable, unlimitedly, for any faults or defects of the products sold. In particular:

A) Winet S.r.l. does not assume any responsibility in regard to the final destination of the product, for which the client may act and choose in full autonomy and awareness, or rather the seller may not be held liable for the fitness or otherwise of the product in regard to so-called "operating conditions" for which the client holds sole responsibility;
B) Winet S.r.l. may not be held liable for any faults and/or defects of the product resulting from irregular damage, negligent storage by the client, incorrect application and/or installation methods, replacements and/or maintenance work performed by third parties, due to chemical, mechanical and/or electrical causes that have no bearing on the product as sold.

GUARANTEE – Apart from cases of exclusion for all liability as stipulated in the point above, Winet S.r.l. warrants its products for 12 months starting from the date of the final invoice. Winet S.r.l. will assume responsibility for any faults and/or defects in the products sold and will undertake to replace same at no additional cost or to provide an equivalent product. No compensation will be offered by the seller for any possible direct damage to either the client's systems or end product. This guarantee will only be valid on condition that:

a) the client sends written notification, within the 8 day deadline stipulated from the date of delivery, detailing any obvious or evident faults and/or defects;
b) the client sends written notification, within the 30 day deadline stipulated following discovery, detailing faults and/or defects that were not immediately evident or only evident following their use and in any case not later than one year after delivery;
c) that the client has provided suitable and sufficient "technical specifications", with respect to which the product conforms, regardless of the final application of the product.
d) that the client has used the product in accordance with the instructions and technical methods specified. In the event of a controversy regarding the existence of a fault and/or defect reported by the client, this guarantee will not be valid in the case in which the client has not kept, for at least 90 days from notification, the faulty and/or defective product for a cross check between the parties or if within one year from the date of delivery the client has not taken steps to instigate preliminary investigation proceedings in accordance with article 696 of the Italian civil code. In any case, Winet S.r.l. may not be held liable for any indirect damages resulting from loss of earnings or a reduction in production.

Replaced items have a guarantee of 90 days or, if still in the warranty period, of the remaining days of the guarantee.

Electronic waste recycle and disposal (Italy only):

Informazione agli utenti ai sensi dell'art. 13 del Decreto Legislativo 25 Luglio 2005, n. 151 "Attuazione delle Direttive 2002/95/CE, 2002/96/CE e 2003/108/CE, relative alla riduzione dell'uso di sostanze pericolose nelle apparecchiature elettriche ed elettroniche, nonché allo smaltimento dei rifiuti".

Il simbolo del cassonetto barrato sull'apparecchiatura o sulla confezione indica che il prodotto alla fine della propria vita utile deve essere raccolto separatamente dagli altri rifiuti.

L'utente dovrà, pertanto, conferire l'apparecchiatura giunta a fine vita agli idonei centri di raccolta differenziata dei rifiuti elettrici ed elettronici.

L'adeguata raccolta differenziata per l'avvio successivo dell'apparecchiatura dismessa al riciclaggio, al trattamento e allo smaltimento ambientalmente compatibile contribuisce ad evitare possibili effetti negativi sull'ambiente e sulla salute umana e favorisce il riciclo dei materiali di cui è composta l'apparecchiatura.

