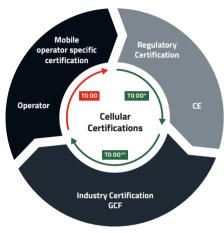
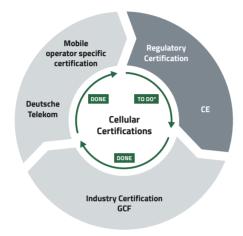
ADRASTEA-I

CELLULAR CERTIFICATIONS

Normal Cellular Certification Procedure







- * To do on device level, Adrastea-I offers CE declaration
- ** To do on device level, Adrastea-I offers GCF certification

CREATING IDEAS – APPLICATIONS EXAMPLES



LIVESTOCK MONITORING



TIME SYNCHRONIZATION





PEDESTRIANS AND TRAFFIC SAFETY



Get inspired by more application ideas: www.we-online.com/wcs-creating-ideas







WURTH ELEKTRONIK MORE THAN YOU EXPECT

CELLULAR TECHNOLOGY.

YOUR KEY TO

Despite its compact size, the module has integrated GNSS, integrated ARM Cortex M4 and 1MB Flash reserved for user application development. The module is based on the high-performance Sony Altair ALT1250 chipset.

The Adrastea-I module, certified by Deutsche Telekom, enables rapid integration into end products without additional industry-specific certification (GCF) or operator approval. Provided that a Deutsche Telekom IoT connectivity (SIM card) is used. For all other operators the module offers the industry-specific certification (GCF) already.





Small form factor



Security & encryption



Long range / worldwide coverage



Multi-band support





ADDED VALUES

Full Service Products Hardware + Firmware









APIs and Software

Free of Charge PC-Software and Mobile Apps





Configurable User Settings with our Firmware WE-ProWare







Evaluation Kits and USB Radio Sticks





Technical Support – Talk from Engineer to Engineer



Proven High Frequency PCB-Design & Proven Antenna Characteristics



Certification and Conformity – CE, FCC, IC & Telec



Long Term Availability



Knowledge Seminars, Webinars, AppNotes & Manuals



KEY FEATURES

SUPPORTED CELLULAR TECHNOLOGIES





LTE-M and NB-IoT are two new standards of Radio Access
Technology designed for Low Power Wide Area Networks (LPWAN).

Benefits of Dual Mode:

Enable international multi-regional coverage (in some regions LTE-M is not available then module will select NB-IoT and vice versa).

Difference between LTE-M vs NB-IoT:

	Firmware updates	Indoor coverage	Remote control devices	Suitability for moving devices	Possibility to grow with new use cases
LTE-M	•••	•••	•••	•••	•••
NB-IoT	•	•••	••	•	•

INTEGRATED MCU (EXCLUSIVELY FOR USER APPLICATION'S FIRMWARE)







Benefits of Integrated MCU:

- ✓ Cost (external micro controller is not required)
- ✓ Size
- ✓ Power consumption

EMBEDDED GNSS





Supports GPS and GLONASS Satellite Systems.

This allows GNSS positioning for asset management applications where infrequent position updates are required.

SMALL FORM FACTOR





Compact 13.4 mm x14.6 mm x 1.85 mm design allows the module to fit in small-size applications.

MULTI-BAND SUPPORT



 ${\bf Enables\ the\ support\ for\ international,\ multi-regional\ coverage:}$

✓ LTE-Cat.M Supported Bands: B2/B3/B4/B5/B8/B12/B20/B25/B26/B28

