

## Arduino™-based development platform

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### Summary

aTAB is the first intelligent platform for the development of complex systems based on Arduino™, offering high performance and flexibility.

### Applications

The aTAB platform is the ideal solution for everyone, who develops a lot on Arduino™ and has ever stumbled upon the problems of stacked shields.



### Key Features

- Compatible with the majority of Arduino™ shields
- Development board offering 5 single sockets for Arduino™ shields (3 compatible with Arduino™ Mega, 2 with Arduino™ Uno form factor) for full flexibility
- Arduino™ shields with SPI or I<sup>2</sup>C-interface can be used together with Arduino™ Mega
- Integrated controller board (ATmega2560)
- Other MCUs (e.g. ATmega328/1280) on demand.
- Flexible power supply:
  - Power over USB
  - External DC supply
  - Lithium rechargeable battery (charge controller for Li-Ion integrated)
  - Non-rechargeable battery
- Over-current protection for all shields and power supply
- USB-Interface
- Extension connector (DIN41612, 96 pins) providing all I/Os and controller signals for external processing
- Socket for Binder SensBoard: Small form factor (25x13mm<sup>2</sup>) sensor module with I<sup>2</sup>C and many possible sensor configurations (temperature, humidity, barometric pressure and luminance)