# WISE-DB1500
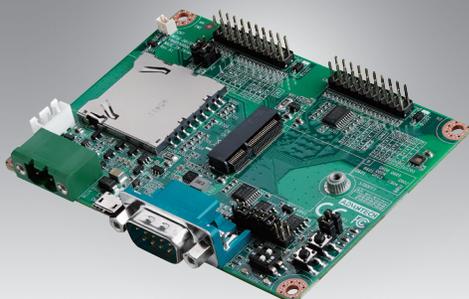
## Development Board for M2.COM Module

**Preliminary**

## Features

- Supports M2.COM module
- 1 RS-232/422/485, 1 USB OTG
- 2 I²C, 1 I²S, 8 GPIO, 2 PWM, 2 ADC
- 1 SD card slot
- On board Humidity/Temperature sensor

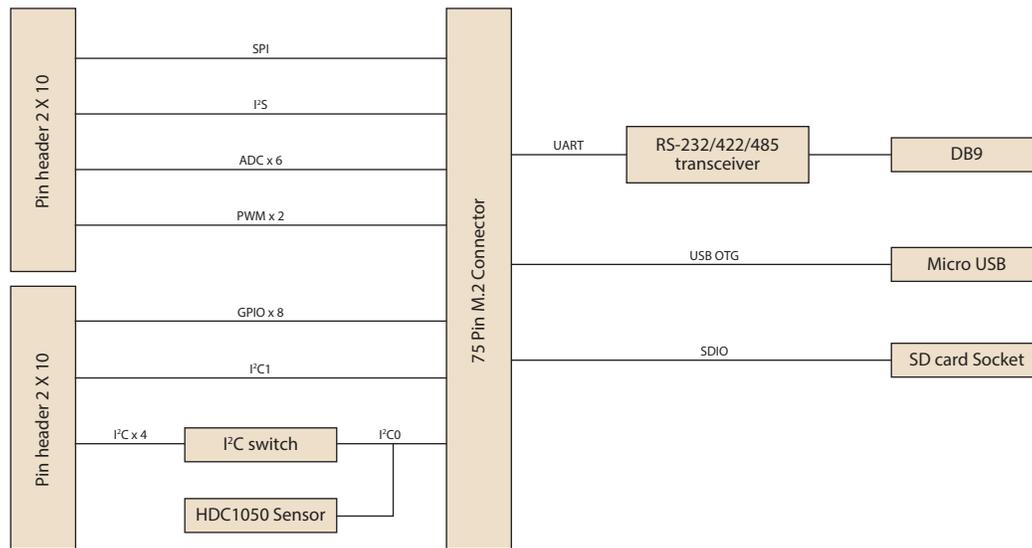CE FCC RoHS COMPLIANT 2002/95/EC

## Introduction

WISE-DB1500 is an evaluation carrier board designed for the M2.COM module. It is compatible with the M2.COM module WISE-1520 and has rich I/O interfaces for evaluation and development. WISE-DB1500 is an ideal development board for evaluating IoT applications, such as sensor node, smart metering and control node.WISE-DB1500 is released along with M2,COM carrier board design documents: Carrier Board Design Guide, Layout, Schematic Checklist, and also the reference board schematics are ready for you to start your own carrier board design.

## Specifications

| | | |
|---|---|---|
| Form Factor | | Pico-ITX 100 x 72 mm |
| Compatible Module | | M2.COM module (22 x 30mm Key E) |
| Display | LCD | - |
| | VGA | - |
| | LVDS | - |
| | HDMI | - |
| Storage | Flash | - |
| | SD | 1 SD card slot |
| | SATA | - |
| Ethernet | LAN | - |
| I/O Interface | UART | 1 RS-232/422/485 (by JUMPER setting) |
| | CANbus | - |
| | I2C | 2 (1 with 1 to 4 port switch) |
| | I2S | 1 |
| | GPIO | 8 |
| | PWM | 2 |
| | SPI | 1 |
| | ADC | 6 |
| | USB | 1 USB micro Type B (OTG) |
| | Camera Input | - |
| | Audio | - |
| | Sensor | 1 Humidity/Temperature sensor |
| Expansion | PCIe slot | - |
| | SIM slot | - |
| Indicator and Button | LED | 2, Power LED , CB_PWR_ON LED |
| | Button | 2, Reset, Wake Up |
| | Serial Port | - |
| | Switch | 2, Reconfiguration, RF disable |
| Power Input | Power | 5V |
| Environment | Operational Temperature | -20 ~ 75° C |
| | Operating Humidity | 5% ~ 95% Relative Humidity, non-condensing |
| Mechanical | Dimensions | 100 x 72 mm |

# Block Diagram



## Ordering Information

| Part No. | Description |
|---|---|
| WISE-DB1500-0IA1E | Development board for M2.COM Module |

## Optional Accessories

| Part No. | Description |
|---|---|
| XRISC-ADP-10HW-AG | USB adapter 100-240V 10W 5V/2A |