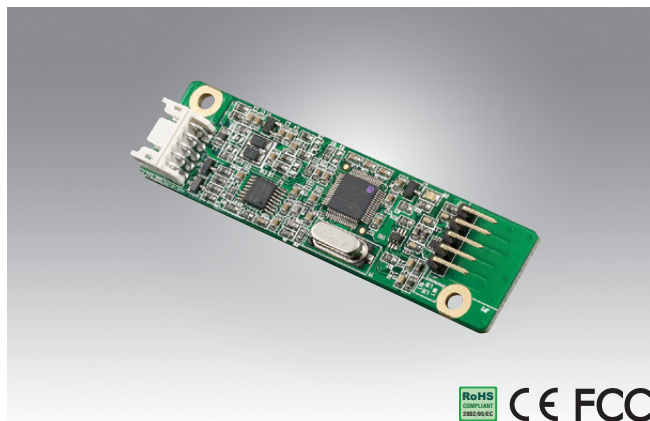


# ETM-RES04C

## Resistive Type Single-touch Module



### Features

- Resistive touch technology, supports 5-wire touchscreen
- Supports USB & RS-232 Interface
- Resolution support to 2048 x 2048
- High Reliability and Fast Conversion Time

### Specifications

|                             |                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------|
| Touch Technology            | Resistive type                                                                                       |
| Host site Interface         | USB: Conforms to USB 1.1<br>RS-232 serial: 8 data bits, 1 stop bit, no parity, and full duplex       |
| Host site Connector         | 2.0 mm, 2x5-pin, male header for combo interface (USB and RS-232)                                    |
| Communication Baud Rate     | 9,600 (default)                                                                                      |
| Touch Screen Connector      | 5-wire: 2.54 mm, 5-pin, male header                                                                  |
| Support Voltage and Current | + 5.0 V, 100 mA                                                                                      |
| Touch Resolution            | 2048 x 2048, Size independent                                                                        |
| Conversion Time             | Max. 20 ms per coordinate set                                                                        |
| LED Status                  | Touch activate indication LED                                                                        |
| OS Supported                | Windows 2000/ XP/ 7, WinCE 5.0/6.0/7.0, Linux                                                        |
| Temperature Ranges          | Operation: -25 to +85° C<br>Storage: -25 to +85° C                                                   |
| Power Consumption (*)       | Sleep mode (USB Suspend): < 2.5 mA<br>Idle mode (un-touch): < 20 mA<br>Working mode (touch): < 70 mA |
| Dimensions (L x W x H)      | 75 x 20 x 10 mm                                                                                      |

(\*) The power consumption may be different with the above if the resistance of sensor is different.

### Ordering Information

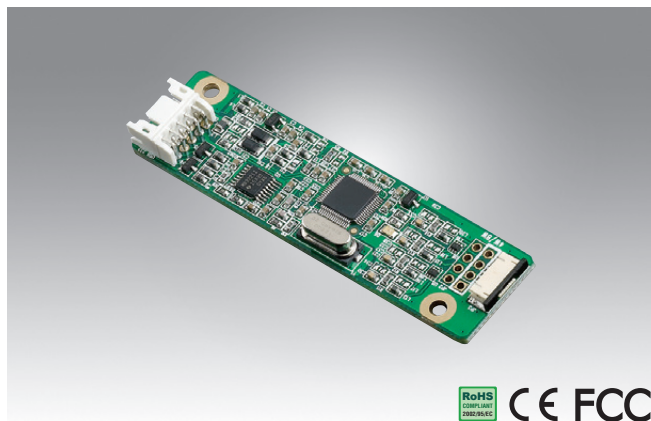
| Part No.          | Product Description                               |
|-------------------|---------------------------------------------------|
| ETM-RES04C-EEH4EE | Resistive type Touch Module, Single touch, 5-wire |

### Suggested Cable (connect w/ platform)

| Part No.      | Specifications                                      |
|---------------|-----------------------------------------------------|
| 1700020270-01 | Cable 2x5P-2.0mm to D-SUB 9P(F)+USB-A(F)+1x2P-2.0mm |
| 1700020324-01 | Cable 2x5P-2.0mm to USB-A(M), 180cm                 |

# ETM-RES05C

## Resistive Type Single-touch Module



### Features

- Resistive touch technology, supports 4-wire Touch Screen
- Supports USB and RS-232 Interface
- Resolution support to 2048 x 2048
- High Reliability and Fast Conversion Time

### Specifications

|                             |                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------|
| Touch Technology            | Resistive type                                                                                       |
| Host site Interface         | USB: Conforms to USB 1.1<br>RS-232 serial: 8 data bits, 1 stop bit, No parity, and full duplex       |
| Host site Connector         | 2.0 mm, 2x5-pin, male header for combo interface (USB and RS-232)                                    |
| Communication Baud Rate     | 9,600 (default)                                                                                      |
| Touch Screen Connector      | 4-wire: 1.0 mm, 4-pin, FFC/FPC header<br>4-wire: 2.54 mm, 4-pin, male header                         |
| Support Voltage and Current | + 5.0 V, 100 mA                                                                                      |
| Touch Resolution            | 2048 x 2048, Size independent                                                                        |
| Conversion Time             | Max. 20 ms per coordinate set                                                                        |
| LED Status                  | Touch activate indication LED                                                                        |
| OS Supported                | Windows 2000/ XP/ Vista/ 7, WinCE 5.0/ 6.0/ 7.0, Linux,                                              |
| Temperature Ranges          | Operation: -25 to +8° C<br>Storage: -25 to +85° C                                                    |
| Power Consumption (*)       | Sleep mode (USB Suspend): < 2.5 mA<br>Idle mode (un-touch): < 20 mA<br>Working mode (touch): < 70 mA |
| Dimensions (L x W x H)      | 75 x 20 x 10 mm                                                                                      |

(\*) The power consumption may be different with the above if the resistance of sensor is different.

### Ordering Information

| Part No.          | Product Description                               |
|-------------------|---------------------------------------------------|
| ETM-RES05C-EEH4EE | Resistive type Touch Module, Single touch, 4-wire |

### Suggested Cable (connect w/ platform)

| Part No.      | Specifications                                      |
|---------------|-----------------------------------------------------|
| 1700020270-01 | Cable 2x5P-2.0mm to D-SUB 9P(F)+USB-A(F)+1x2P-2.0mm |
| 1700020324-01 | Cable 2x5P-2.0mm to USB-A(M), 180cm                 |