

# UTC Series Peripheral

## Introduction

The UTC Series Peripheral blends simplicity with style. It makes optimal use of space, and its compact design saves money in shipping fees. UTC Series is elegantly designed to fit many different customer scenarios, from kiosks to reception areas. The slim and stylish unit is easy to store, easy to ship and easy to set up. Installation is simple; it can be done in about ten minutes and the finished result makes an attractive, one-piece solution.

## UTC-P01

### Camera Module for UTC-500 Series



## Specifications

|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| Interface             | USB (Cable Length:50cm)                                                                                    |
| Image Resolution      | 2592 (H) x 1944 (V)                                                                                        |
| Focusing Range        | 10 cm~ ∞; Supports auto focus                                                                              |
| Frame Rate            | 640 x 480 @ 30 fps max<br>1280 x 1024 @ 30 fps max<br>1600 x 1200 @ 15 fps max<br>2592 x 1944 @ 15 fps max |
| Video Format          | MJPEG                                                                                                      |
| OS Support            | Windows XP/7/8/10, Android, Linux                                                                          |
| Dimensions            | 130 x 35 x 40 mm                                                                                           |
| Operating Temperature | 0 ~ 40° C                                                                                                  |

## Packing List

| Description        | Quantity |
|--------------------|----------|
| Cable Clamp        | 2        |
| Camera Module Unit | 1        |

## Ordering Information

| P/N         | Description                          |
|-------------|--------------------------------------|
| UTC-P01-A1E | 5MP camera module for UTC-500 series |

## UTC-P02

### Magnetic Stripe Card Reader for UTC-500 Series



## Specifications

|                       |                                                                                                                                                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interface             | USB (Cable Length:50cm)                                                                                                                                        |
| Track Configuration   | TRACK 1 / IATA / 210 bpi / 79 Alphanumeric Characters<br>TRACK 2 / ABA / 75 bpi / 40 Numeric Characters<br>TRACK 3 / Thrift / 210 bpi / 107 Numeric Characters |
| Card Standard         | ANSI, ISO, and ABA.                                                                                                                                            |
| Read Speed            | 3 ips to 60 ips (7 cm/s to 152 cm/s)                                                                                                                           |
| Magnetic Head Life    | 1,000,000 times (ISO test standard)                                                                                                                            |
| OS Support            | Windows XP/7/8/10, Android, Linux                                                                                                                              |
| Dimensions            | 130 x 35 x 40 mm                                                                                                                                               |
| Operating Temperature | 0 ~ 40° C                                                                                                                                                      |

## Packing List

| Description                 | Quantity |
|-----------------------------|----------|
| Cable Clamp                 | 2        |
| Magnetic Stripe Reader Unit | 1        |

## Ordering Information

| P/N         | Description                               |
|-------------|-------------------------------------------|
| UTC-P02-A0E | Magnetic stripe reader For UTC-500 series |

# UTC-P03

RFID Reader for UTC-500 Series



## Specifications

| Interface                 | USB                                    |                                   |     |                                  |
|---------------------------|----------------------------------------|-----------------------------------|-----|----------------------------------|
| Frequency                 | 13.56MHz                               |                                   |     |                                  |
| NFC R/W Mode              | NFC Type V/2/3/4                       |                                   |     |                                  |
| HF RFID R/W               | ISO 15693, ISO14443A, ISO14443B        |                                   |     |                                  |
| Support Tag Specification |                                        |                                   |     |                                  |
| Standard                  | Tag Model                              | UID                               | R/W | Application                      |
| NFC Type 2                | NXP NTAG 213/215/216                   | OK                                | OK  | Brand Protection                 |
|                           | NXP Mifare S50/S70                     | OK                                | OK  | Electronic Wallet                |
| NFC Type 3                | Sony Felica RCS 919/965/966            | OK                                | OK  | e-tickets                        |
| NFC Type 4                | NXP Mifare DesFire EV1 4K              | OK                                |     | Personal identification          |
|                           | Panasonic MN63Y1213                    | OK                                | OK  | BT and Wifi pairing              |
| ISO 15693<br>(NFC Type V) | TI Tag-it Standard/Pro/Plus            | OK                                | OK  | Libraries                        |
|                           | ST LRI2K                               | OK                                | OK  | Access control                   |
|                           | NXP ICODE SLIX/SLI/SLI-L               | OK                                | OK  | Patrol                           |
|                           | Infineon my-d SRF55V02P                | OK                                | OK  | Mass transit and event ticketing |
|                           | Fujitsu/MM89R118/119                   | OK                                | OK  | Medical equipment                |
| ISO 14443A                | ST M24LR04/16/64                       | OK                                | OK  | Electronic shelf label           |
|                           | NXP Mifare Ultralight /Plus X / Plus S | OK                                |     | Asset tracking                   |
| ISO 14443B                | ST SR1X4K                              | OK                                | OK  | e-purses                         |
| Reading Range             |                                        | 5cm ± 1cm                         |     |                                  |
| OS Support                |                                        | Windows XP/7/8/10, Android, Linux |     |                                  |
| Dimensions                |                                        | 130 x 35 x 40 mm                  |     |                                  |
| Operating Temperature     |                                        | 0 ~ 40° C                         |     |                                  |

## Packing List

| Description      | Quantity |
|------------------|----------|
| Cable Clamp      | 2        |
| RFID Reader Unit | 1        |

## Ordering Information

| P/N         | Description                    |
|-------------|--------------------------------|
| UTC-P03-A1E | RFID reader for UTC-500 series |

# UTC-P06

Smart Card Reader for UTC-500 Series



## Specifications

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| Interface                  | USB (Cable Length:50cm)                                    |
| Card Acceptor, Reliability | User card Friction Type (ID-1) , 200,000 cycles            |
| Card Reader                | CPU card -Complies with ISO7816-1,2,3,T=1 and T=0 protocol |
|                            | Memory card -Synchronous 2-line, 3-line and I2C interface  |
| LED                        | Dual color LED indicator                                   |
| Compliance                 | Complies with PC/SC version 1.0 standards                  |
| OS Support                 | Windows XP/7/8/10, Android, Linux                          |
| Dimensions                 | 130 x 35 x 40 mm                                           |
| Operating Temperature      | 0 ~ 40° C                                                  |

## Packing List

| Description            | Quantity |
|------------------------|----------|
| Cable Clamp            | 2        |
| Smart Card Reader Unit | 1        |

## Ordering Information

| P/N         | Description                                              |
|-------------|----------------------------------------------------------|
| UTC-P06-A1E | Smart card reader for UTC-500 series                     |
| UTC-P06-A2E | Smart card reader for UTC-500 series (Android supported) |

# UTC-P07

2D Barcode Module for UTC-500 Series



## Specifications

|                                                               |                                                                                                                                                                                                        |                  |             |               |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|---------------|
| Interface                                                     | USB (Cable Length: 50cm)                                                                                                                                                                               |                  |             |               |
| Scanning Performance                                          | Scan Rate: 2D mode: 53 images/s<br>Scan angle: 40° (Horizontal), 26° (Vertical)<br>Optical resolution: 752 (H) x 480 (V) pixels, 256 gray levels                                                       |                  |             |               |
| Typical Reading Distances Standard                            | Symbology                                                                                                                                                                                              | Density          | Min. Dist.  | Max. Dist.    |
|                                                               | Code 39                                                                                                                                                                                                | 0.125 mm/5 mils  | 4.7 cm/1.8" | 17.7 cm/7.0"  |
|                                                               |                                                                                                                                                                                                        | 0.25 mm/10 mils  | 1.7 cm/0.7" | 33.2 cm/13.1" |
|                                                               | UPC/EAN                                                                                                                                                                                                | 0.33 mm/13 mils  | 2.5 cm/1.0" | 41.9 cm/16.5" |
|                                                               | Data Matrix                                                                                                                                                                                            | 0.254 mm/10 mils | 2.7 cm/1.0" | 17.1 cm/6.7"  |
|                                                               |                                                                                                                                                                                                        | 0.381 mm/15 mils | 1.2 cm/0.5" | 24.6 cm/9.7"  |
|                                                               | PDF 417                                                                                                                                                                                                | 0.254 mm/10 mils | 2.2 cm/0.9" | 2.2 cm/0.9"   |
| * Minimum distance depends on symbology length and scan angle |                                                                                                                                                                                                        |                  |             |               |
| Symbologies                                                   | 1D / Linear symbologies: Autodiscriminates all standard 1D codes including GS1DataBar™ linear codes.                                                                                                   |                  |             |               |
|                                                               | 2D symbologies: Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code                                                                                                          |                  |             |               |
|                                                               | Postal codes: Australian Post; British Post; China Post; IMB; Japanese Post; KIX Post; Korea Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)                                                      |                  |             |               |
|                                                               | Stacked codes: EAN/JAN Composite; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF417; MicroPDF417; PDF417; UPC A/E Composites |                  |             |               |
|                                                               |                                                                                                                                                                                                        |                  |             |               |
| OS Support                                                    | Windows XP/7/8/10, Android, Linux                                                                                                                                                                      |                  |             |               |
| Dimensions                                                    | 130 x 52 x 40 mm                                                                                                                                                                                       |                  |             |               |
| Operating Temperature                                         | 0 ~ 40° C                                                                                                                                                                                              |                  |             |               |

## Packing List

| Description         | Quantity |
|---------------------|----------|
| Cable Clamp         | 2        |
| Barcode Reader Unit | 1        |

## Ordering Information

| P/N         | Description                          |
|-------------|--------------------------------------|
| UTC-P07-A4E | 2D Barcode Module for UTC-500 Series |

# UTC-P21

4-in-1 Module including Barcode Reader + RFID + Card Reader + MSR for UTC-500 Series



## Specifications

|                             |                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| RFID                        | 13.56MHz frequency<br>Read mode: ISO 15693/14443A/B/Felica/MIFARE* detail as below<br>Reading range: 5 ± 1cm                                  |
| 2D Barcode Reader           | 2D mode scan rate: 56 images/sec<br>Linear emulation scan rate: 200 images/sec<br>Optical resolution: 752x480 pixels, 256 gray levels         |
| Smart Card reader           | User card friction type (ID-1), 200,000 cycles<br>SAM card: 5000 insertion<br>Compliant CPU card and memory card                              |
| Magnetic Stripe Card reader | Card Standard ANSI, ISO, and ABA<br>Read Speed 3 ips to 60 ips (7 cm/s to 152 cm/s)<br>Magnetic Head Life 1,000,000 times (ISO test standard) |
| OS Support                  | Windows XP/7/8/10, Android, Linux                                                                                                             |
| Dimensions                  | 300 x 35 x 40 mm                                                                                                                              |
| Operating Temperature       | 0 ~ 40° C                                                                                                                                     |

## Support Tag Spec

| Stander    | Tag Model                               | UID | R/W |
|------------|-----------------------------------------|-----|-----|
| NFC Type 2 | NXP NTAG 213/215/216                    | OK  | OK  |
|            | NP MIFARE S50/70                        | OK  | OK  |
| NFC Type 3 | Sony FELICA RCS 919/965/966             | OK  | OK  |
| NFC Type 4 | NXP MIFARE DesFire EV1 4K               | OK  | OK  |
|            | Panasonic MN63Y1213                     | OK  | OK  |
| ISO 15693  | T1 Tag-it Stander/ Pro/ Plus            | OK  | OK  |
|            | ST LR12K                                | OK  | OK  |
|            | NXP ICODE SLIX/SLI/SLI-L                | OK  | OK  |
|            | Infineon my-d SRF55V02P                 | OK  | OK  |
|            | Fujitsu/MM89R118/119                    | OK  | OK  |
| ISO 14443A | ST M24LR04/16/64                        | OK  | OK  |
|            | NXP MIFARE Ultralight / Plus X / Plus S | OK  | OK  |
| ISO 14443B | ST SRX4K                                | OK  | OK  |

## Packing List

| Description        | Quantity |
|--------------------|----------|
| Cable Clamp        | 2        |
| 4-in-1 Module Unit | 1        |

## Ordering Information

| P/N         | Description                      |
|-------------|----------------------------------|
| UTC-P21-A2E | 4-in-1 Module for UTC-500 Series |

### UTC-500 Peripherals Series Installation Guide



The UTC-500's uniquely designed Side groove creates an attachment area that runs all around the frame; customer can easily attach Peripherals to it where they need



Attach the UTC-peripheral to the UTC 500 series side groove



Fasten the 2 screws to fix the peripheral in place