

## Adapt-IQ 10.1" Digital Signage Tablet

Model: MCT-10DS / MCT-10DS-POE



*A truly brilliant, smart, and professional Android tablet designed for commercial and retail use.*

The Adapt-IQ by Mimo is not a consumer tablet, but a tablet thoughtfully designed for commercial use where running 24/7 is crucial. With hardware designed for commercial and retail use, added features such as robust case, tempered glass, design and testing for 24/7 use, VESA mounting, SD card protection system, stereo audio output, our tablet is the best Android solution for the demanding commercial and retail environment. The Adapt-IQ utilizes the security of wired with optional power over Ethernet OR the convenience of wireless Ethernet connections. Designed for fixed applications where a rugged mountable Android tablet is desired and where battery power is not required.

The Mimo Adapt-IQ tablet is designed to enhance the customer experience and provide the most cost effective solutions for retail POS/POP, commercial, industrial, and hospitality markets. Perfect for end-cap displays, kiosks, or as a customer-facing display in retail POS/POP environments.

### Build for long term use and support

The Adapt-IQ is designed and supported as a long term commercial product. The external specifications and tooling are controlled to ensure a long product life, which is crucial for maintaining continuity for all phases of project rollouts and service. The internal assemblies were developed for the Adapt-IQ and are not subject to obsolescence. While internal components may change for the better, this can be done without modification by the end user.

### Quad Core ARM A9

The tablet uses a quad core Cortex A9 chipset with a 1.6GHz peak frequency that supports the latest ARM processor optimized package. Apps launch instantly and run smoothly. The processor features a quad-core GPU, so that all graphic-intensive apps are fluid and lifelike. All this, combined with 2GB of dual-channel DDR3 memory, distinguishes our tablet from other solutions.

### Android 4.4 KitKat OS, license free

The quad-core Adapt-IQ with Android 4.4OS has accelerated webpage opening speed by 50%, app installation speed by 25%, app loading speed by 16%, video and photo loading speed by 30%. The Adapt-IQ by Mimo can be installed with applications downloaded from Android Market for different customized demands.



Optional base shown



Optional base shown

## High-quality tempered glass multi-touch panel

The Adapt-IQ by Mimo features a 5 point multi-touch projected capacitive panel. The capacitive touch panel is made of scratch-free tempered glass, and produced with a double-deck glass process and advanced laser carving. The touch panel responds fast and accurately without dead corners, allowing users to easily interact with your designed app.

## VESA mount, wired Ethernet and Optional Power over Ethernet

Unlike consumer tablets, the Adapt-IQ is designed with VESA mounting holes on the back, and an SD card with protection cap to meet the demanding environment of commercial and retail installations. In addition to the built-in Wi-Fi, our tablet comes with a wired RJ45 Ethernet connection and a SD memory slot to expand the internal memory. Along with wired Ethernet, the Adapt-IQ can be optionally configured with Power over Ethernet (POE) to power the tablet over the network connection. On the Adapt-IQ, you can also connect printers, bar code scanners, or any other USB accessory to the USB ports located on the back side tablet.

## Add on Module Slots

The Adapt-IQ by Mimo has 3 USB based add on module slots. These slots are designed to accept a magnetic stripe reader, 2D barcode reader, NFC module and more. New hardware capabilities can be added for future requirements.

## Play Full HD video smoothly, support, Flash & HTML5

The Adapt-IQ by Mimo plays full HD 1080P videos smoothly, and is compatible with 480P and 720P videos in all kinds of formats: TS, H.264, WMV, MPEG4, etc. The tablet supports Adobe Flash 11.0 and HTML5 animation technology, and can easily access dynamic webpage, and on-line videos or games.

## The best equipped commercial and retail tablet

The Adapt-IQ is fully equipped with all the typical tablet functions for running advanced and sophisticated client applications and offering users a rich and interactive experience.

## Elegant, Light, Durable, Modern, Professional

The Adapt-IQ 10.1" is designed with high-quality ABS case with modern zero-bezel design, thus greatly improving scratch resistance.



Optional accessories shown

# Technical Specifications

|                     |                            |   |
|---------------------|----------------------------|---|
| Display             | TFT LCD                    | 10.1" inch configuration                                      |
|                     | Number of Pixel            | 1280 RGB (H) x 800(V)   |
|                     | Aspect Ratio               | 16:10 wide  |
|                     | Touch Panel                | 5 point touch projected capacitive                            |
|                     | Back-light                 | LED Side-light type   |
|                     | Brightness                 | 350 cd/m2   |
|                     | Contrast Ratio             | 800:1   |
| Media Format        | Video                      | MKV, TS, FLV, AVI, VOB, MPG, DAT, ASF, RM, MOV, 3GP, MP4, WMV |
|                     | Audio                      | MP2, WMA, WAV, AAC, OGG, ASF                                  |
|                     | Picture                    | JPG, BMP, GIF   |
| I/O                 | SD card slot               | SD card (SDHC Class10 compatible)                             |
|                     | USB                        | USB 2.0 host type A×1   |
|                     | Micro USB                  | Micro USB 2.0 × 1   |
|                     | Add-on Module slot         | USB 2.0 x 3   |
| Speakers            | High quality speaker       | 3W ×2   |
|                     | Amplifier                  | 2.5W x2   |
| Power               | Power requirement          | DC 12V±5% input – barrel connector                            |
|                     | Power consumption          | 1KHz audio playback: ~18W max. - Off: 0W                      |
|                     | AC/DC Adapter              | AC 100-240Vac, 2A max. 50-60Hz, 12V/2A AC/DC Adapter supplied |
|                     | Power over Ethernet POE    | Yes, optional   |
|                     | LED                        | ON: Green - Timer standby: Orange - OFF: light off            |
|                     | Switch                     | Power switch on back  |
| Ethernet            | RJ45                       | 10/100Mbps LAN  |
| Wireless            | Wi-Fi                      | 802.11 b/g/n  |
|                     | Bluetooth                  | BT4.0   |
| Camera              | Front                      | Front: 5M pixels (optional)                                   |
| Function Keys       | Keys button                | +, -, Up, Down, Menu/Enter                                    |
| Barcode Scanner     | Barcode Scanner            | 2D Barcode scanner (optional)                                 |
| Hardware Systems    | CPU                        | Cortex-A9, Quad Core, up to 1.6 GHz                           |
|                     | DRAM Memory                | 2GB DDR3 SDRAM  |
|                     | Storage Memory             | 8GB eMMC Flash  |
|                     | External Memory            | SD Card (SDHC Class10 compatible)                             |
|                     | Software / OS              | Android 4.4 KitKat  |
|                     | Flash                      | Adobe 10.2 supported  |
| General Information | Case design                | Body and cover are black ABS & PC                             |
|                     | Dimensions without add-ons | Width: 252mm x Height: 178mm x Depth: 24mm                    |
|                     | Weight without add-ons     | 595g  |
|                     | Mounting                   | VESA 75mmx75mm mounting screw holes                           |
|                     | Clock Battery (for RTC)    | Lithium-ion non-rechargeable coin battery                     |
|                     | Storage Temp               | -15 -- 65 degrees C   |
|                     | Working Temp               | -10 --50 degrees C  |
|                     | Storage / Working Humidity | 10 – 90% non-condensing                                       |
|                     | MTBF                       | 50,000 hours demonstrated                                     |
|                     | Warranty                   | 3 years   |
|                     | Certifications             | FCC, CE, & RoHS   |

# Mechanical Design

## Front

- 1. Camera (optional)



## Top

- 2. LED
- 3. SD card slot + cover
- 4. Menu/Enter button
- 5. Function keys (up/down)
- 6. Function keys (Vol+ / Vol-)



## Back

- 7. Speakers
- 8. VESA mounting holes
- 9. DC in
- 10. Add on Module Slot



## Bottom

- 9. DC in
- 10. Add on Module Slot
- 11. Ethernet RJ45 port
- 12. USB type A
- 13. Micro USB
- 14. Power switch
- 15. GPIO
- 16. RS232



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