

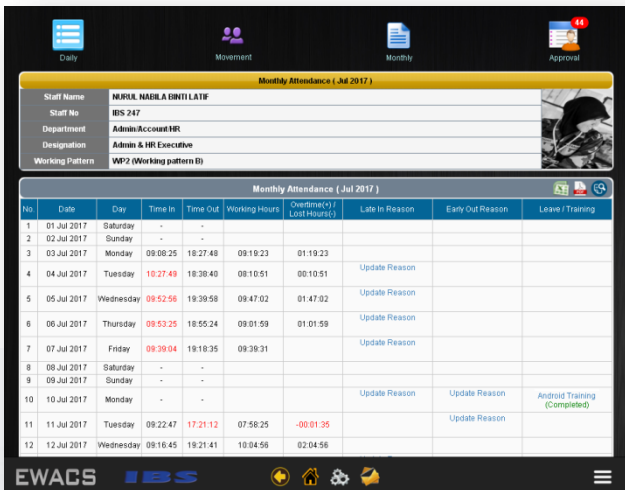
# MOBILE HANDHELD READER (MHR)

IBS Mobile Handheld Reader or MHR is an Industrial Grade Terminal that caters for various organizational applications. Due to its portability and its connectivity features, MHR is highly recommended for usage of various applications. MHR is also able to capture staff attendance from the organization's existing access card.

When there is a need to manage staff at places outside the office during training or during fire drill for example, the MHR would be the perfect solution. It complements areas with no LAN or Wifi connectivity as it has a Dual Sim feature to accommodate mobile connectivity.

## Added Features:-

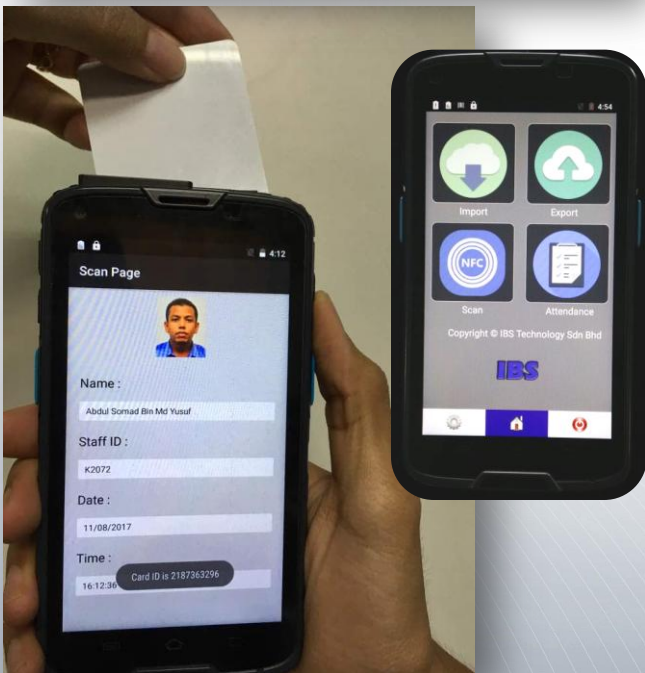
All the Attendance Data can be downloaded to a Workstation or Laptop via a Communication Engine Software either in the form of database and / or can be exported to Excel or PDF



Monthly Attendance (Jul 2017)

Staff Name: MURIL NABILA DINI LATIF  
Staff No: IBS 247  
Department: Admin/Accountant  
Designation: Admin & HR Executive  
Working Pattern: WP2 (Working pattern 2)

No	Date	Day	Time In	Time Out	Working Hours	Overtime(+) Lost Hour(-)	Late In Reason	Early Out Reason	Leave / Training
1	01 Jul 2017	Saturday	-	-	-	-			
2	02 Jul 2017	Sunday	-	-	-	-			
3	03 Jul 2017	Monday	09:08:25	18:27:48	09:19:23	01:19:23			
4	04 Jul 2017	Tuesday	10:27:49	18:39:40	08:10:51	00:10:51	Update Reason		
5	05 Jul 2017	Wednesday	09:52:58	18:39:58	09:47:02	01:47:02	Update Reason		
6	06 Jul 2017	Thursday	09:53:25	18:55:24	09:01:59	01:01:59	Update Reason		
7	07 Jul 2017	Friday	09:39:04	19:18:35	09:39:31				
8	08 Jul 2017	Saturday	-	-	-	-			
9	09 Jul 2017	Sunday	-	-	-	-			
10	10 Jul 2017	Monday	-	-	-	-	Update Reason	Update Reason	Android Training (Completed)
11	11 Jul 2017	Tuesday	09:22:47	17:21:12	07:58:25	-00:01:35		Update Reason	
12	12 Jul 2017	Wednesday	09:16:45	19:21:41	10:04:56	02:04:56			



## Applications

- Attendance outside of office
- Roll Call (Safety)
- Training Attendance
- Special Events Attendance
- Necessary tracking – Staff Activities

## MHR Features

### IOT Functions

Comes with standard 1D laser barcode scanner, NFC. Also with optional functions 2D barcode scanner, UHF RFID, power infrared and active 2.4G modules.

### Excellent Industrial Performance

Rubber coating and thickening treatment adopted to improve product drop resistance both in appearance and practical utility.

### 5" 720P High-definition Screen & 4000mAh Battery

Equipped with 5" High-definition Multi-touch screen, the resolution reach 1280\*720 dpi for easier operation and stronger visibility.

### Large capacity Lithium battery

The 4000mAh large capacity Lithium battery ensures up to 20-hours fully functional operation. Has optional Charging Cradle.

### Industrial Protect Cover

Equipped with a strong and nice-looking industrial protect cover that comes with a wrist strap, for device's special protection and also making it much more convenient for field operators.

### Diversity Wireless Communication Functions

It supports 802.11n (2.4GHz), getting rid of the constraints from network bandwidth in modes of b/g. It also supports Bluetooth 2.1 and more types of devices connection.

### Customized Development

The MHR can use any secondary applications based on Android platform to make further program development.



# Technical Specifications

Basic Parameters	
Physical	size: 145*78*16mm
Weight	544.5g (include battery),463g (no battery)
CPU	MTK6582, Quad-core ARM Cortex A7, 1.3GHz
GPU	Mali-400MP
Memory	1G LPDDR2 RAM+4G EMMC ROM
Operation	Android 4.2.2
System Color	Black/White
Display	5" high-definition Multi-touch screen; Resolution: 1280*720dpi;
Communication	2G: GSM/EDGE:850/900/1800/1900MHz ; 3G:WCDMA:UMTS/HSDPA850-2100MHz,TD-SCDMA
GPS	Built-in GPS, Support A-GPS
Port	Micro USB2.0, support OTG
Memory interface	Micro SD card, support 2G to 32G
Bluetooth	Bluetooth 2.1+EDR
Loudspeaker	Single speaker, 8+-15% ohm
Wifi	Support 802.11b/g/n mode and WEP.WPA/WPA2-PSK/AES/WAPI PSK/802.11*EAP encryption protocol
Camera	8.0 Mega pixel rear camera; 2.0 Mega pixel front camera; Auto focus; with LED light.
Battery Capacity	Li-Polymer 4000mAh
Standby time	One week ( Charging time: 5-6 hours)
20hours	
IoT Functions	
1D Barcode	Support code128,EAN-13,EAN-8,Code39,UPC-A,UPC-E, Codabar, Interleaved 2 of 5,China post 25,ISBN/ISSN, Code93, UCC/EAN-128,GS1 Databar, HIBC,etc
2D Barcode	Built-in Newland barcode scanner module; Support Chinese sensible code, QR,PDF417 Code128, EAN-13, EAN-8, Code39,UPC-A,UPC-E, Codebar, Interleaved 2 of 5,China post 25, ISBN/ISSN, Code93, UCC/EAN-128 ,etc
RFID	Fully support HF, 13.56M (ISO14443A/B, 15693 Protocol), reading distance 2~ 5cm. Reading Position: battery cover. Support UHF RFID (EPC C1/G2, 18000-6 protocol), reading and writing tags (optional) 2.4G active RFID module, reading distance can reach 30~50m (optional).

For further information, please contact:

