# CSA

Automatic Supervisor and Control System V 1.0

ASC System Description:

ASC system applies method for monitoring in a real-time manner the efficiency and/or internal quality level of a company down to the level of individual tasks, the system comprises:

➢ **Apply automatic supervisor concept as if the organization has hired an industrial engineer for each production and quality worker.**
➢ **Give organization management full control on all workers and employees.**
➢ **Apply new concept for monitoring the efficiency & PPM of an organization and down to the level of Departments, Groups and Workers.**
➢ **Build communication system between all workers and their managers.**
➢ **Give each worker Real time feedbacks of salary, efficiency, PPM, error counter, revised counter, operation standard time and other needed parameters.**
➢ **Generate some useful statistics which guide the management to take correct decisions like statistics about stoppages or operations errors.**
➢ **Motivate employees by bonuses relative to increased efficiency.**
➢ **Generate an atmosphere of competition between the workers**
➢ **Help the worker to fine tune his performance by giving him a second by second feedback about his performance level.**
➢ **Differentiate between active and less active workers giving a sense of justice.**
➢ **Increasing the performance level of the utility departments.**
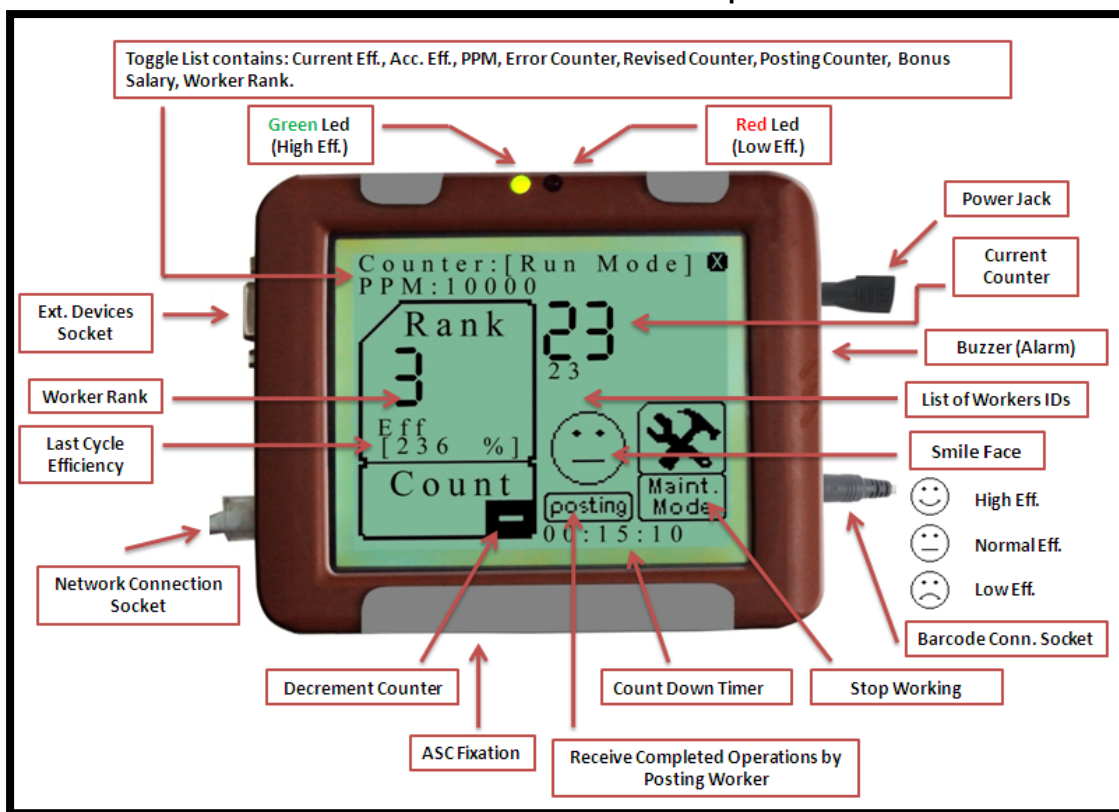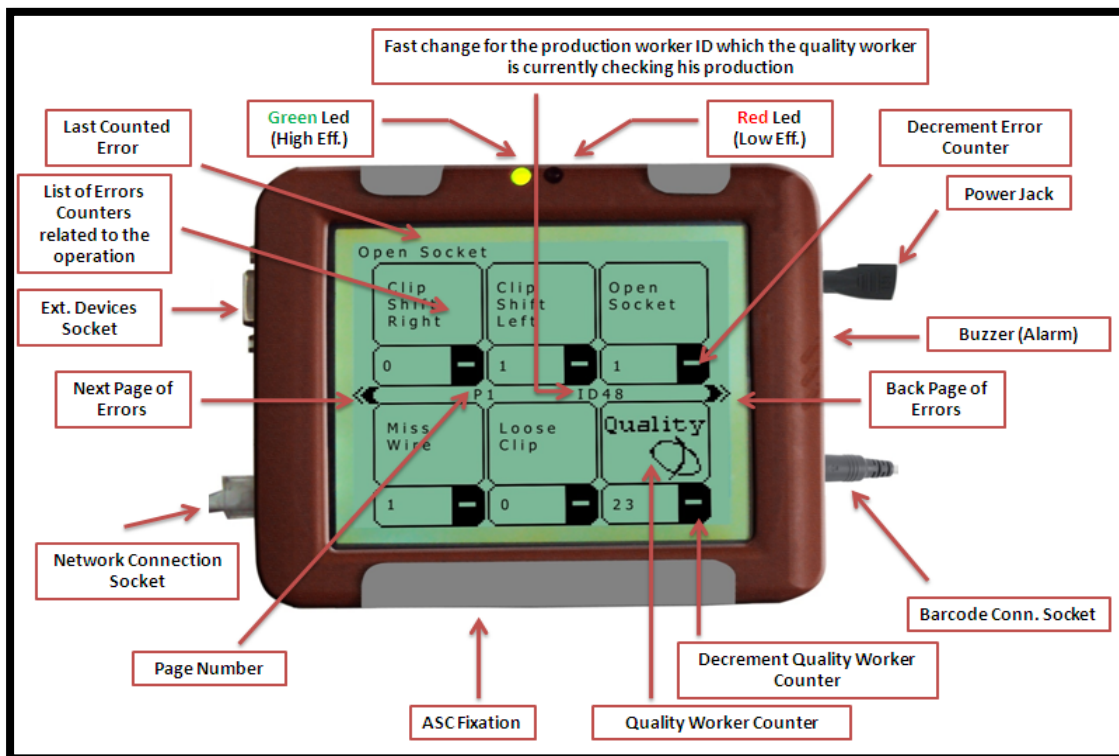➢ **Maximize the team work spirit.**

ASC System Block Diagram:
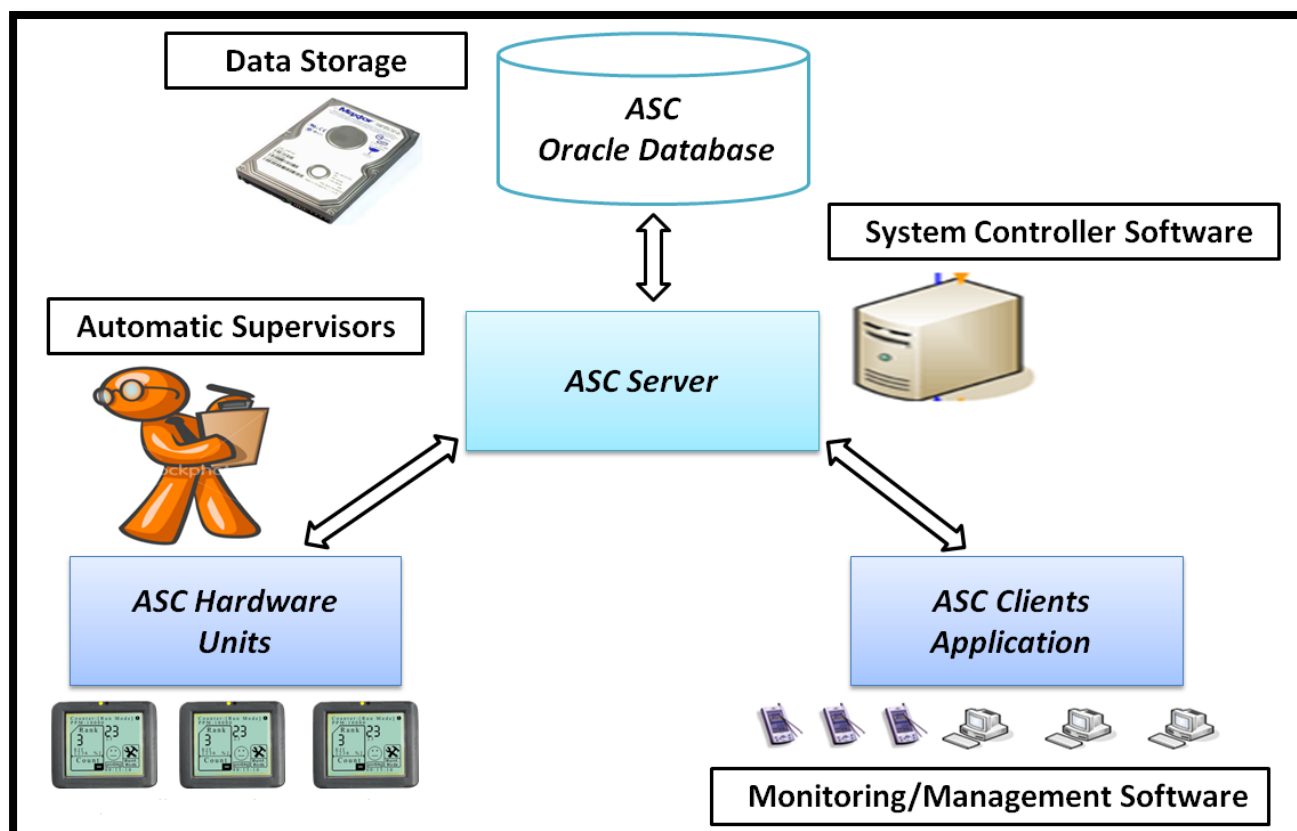
erugiF 1: ASC Block Diagram

ASC Hardware Unit:

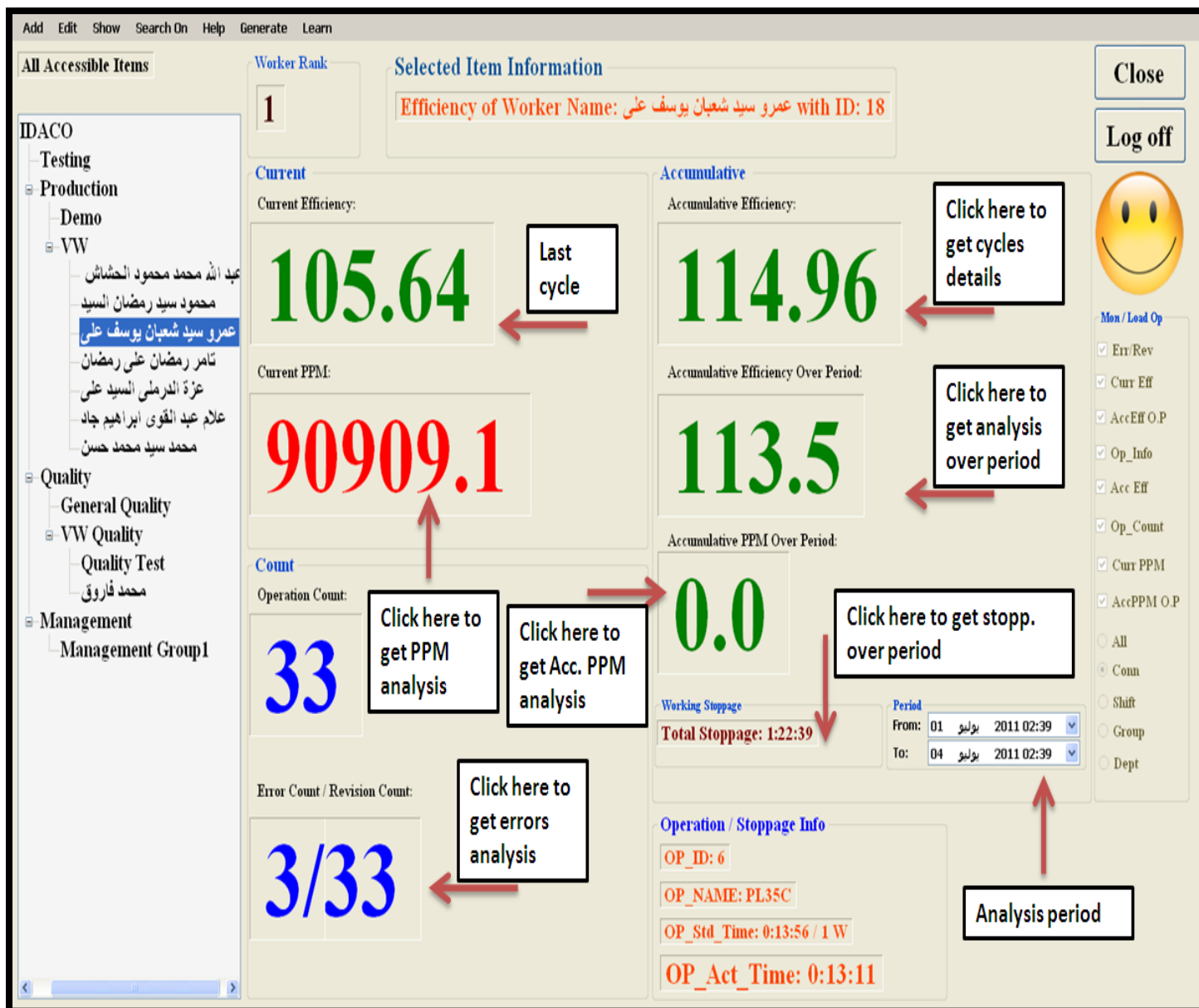### ASC hardware unit works as an automatic supervisor for each worker.

erugiF 2: ASC Hardware Unit Production Worker

erugiF 3: ASC Hardware Unit Quality Worker

ASC V 1.0 [Automatic Supervisor And Control System]

ASC Client Application:

The software application runs on different points in the organization or factory which enables supervisors and managers to monitor the workers, groups, departments and organization in a real time mode according to the privilege of the user.

erugiF 4: ASC Client Application Worker Details

erugiF 5: ASC Client Application Group Details
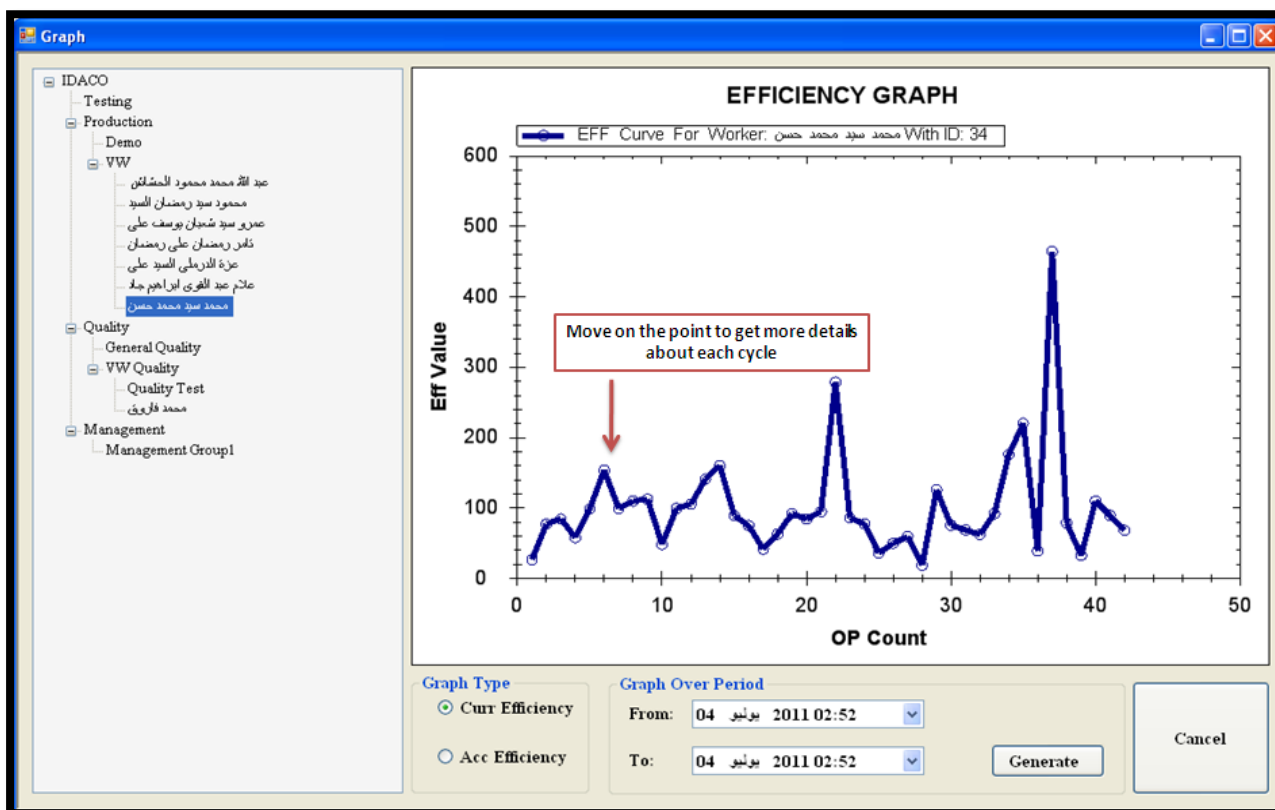
erugiF 6: ASC Client Application Worker Graph
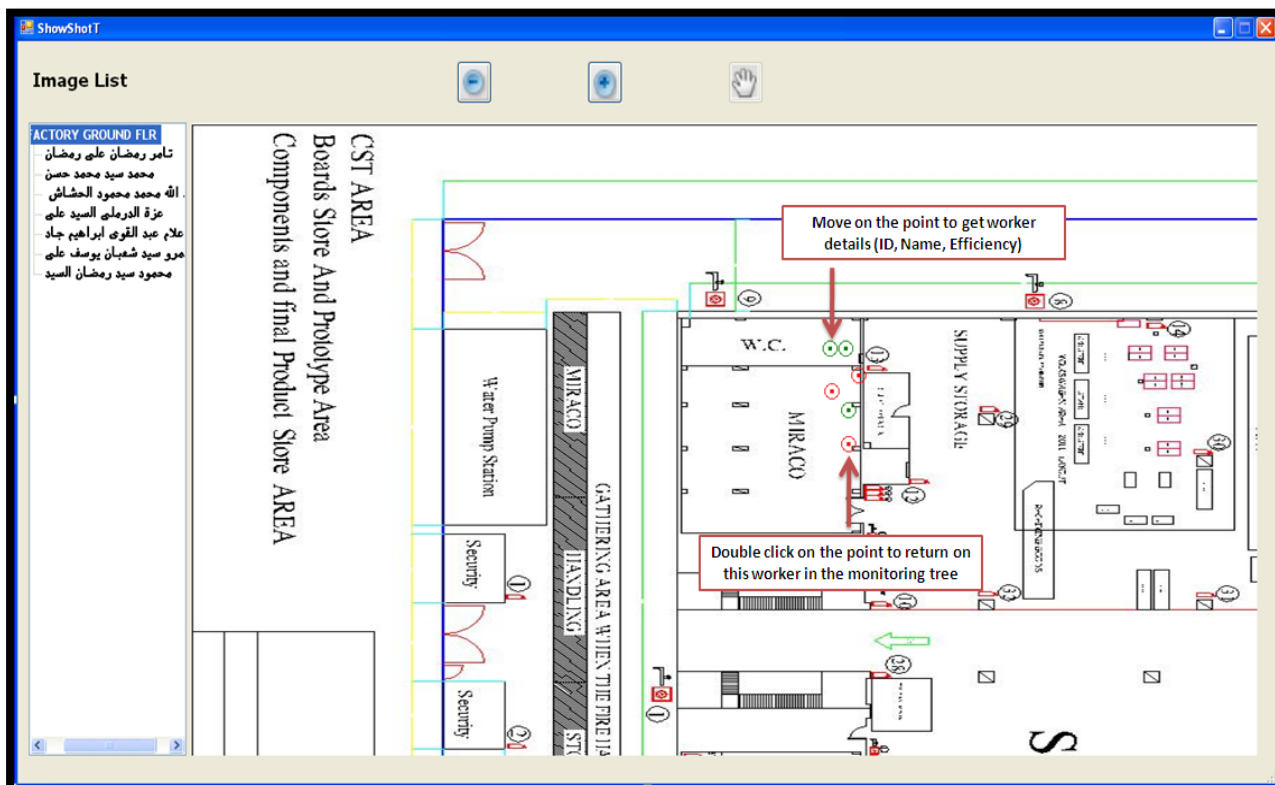
erugiF 7: ASC Client Application Workers Location Monitoring

ASC Hardware Unit Technical Specification:

✓ **ASC Dimensions: ASC Hardware Unit dimensions described in the following figure:**

erugiF 8: ASC Hardware Unit Dimensions

- ✓ **4.7 " LCD.**
- ✓ **Resisting touch screen.**
- ✓ **9 Volt power supply.**
- ✓ **Barcode connection.**
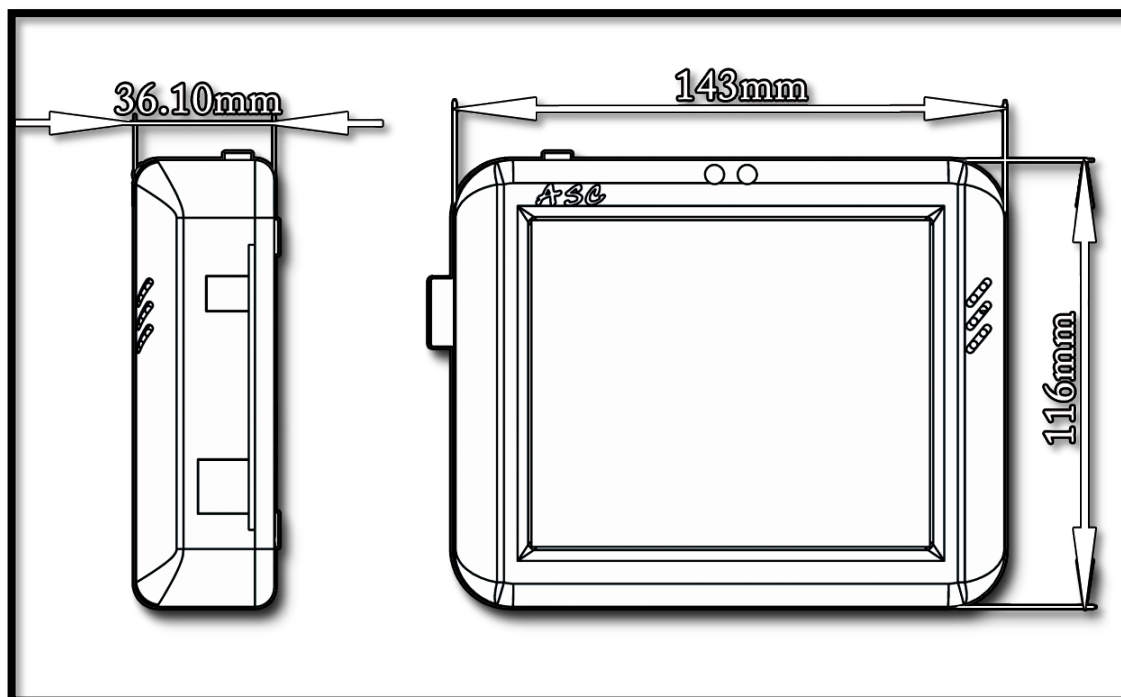- ✓ **External devices socket.**
- ✓ **Network connection socket.**
- ✓ **Buzzer and two LEDS.**

ASC System Installation Requirements:

1. Just adapter and network point for each hardware unit in the system.
2. Install ASC Server and ASC oracle database on Administrator PC.

   ✓ **Operating System: Windows XP/Vista/Seven.**
   ✓ **Installation Requirements: Oracle Installation Products.**

3. Install ASC Monitoring Client on Any PC in the organization.

   ✓ **Operating System: Windows XP/Vista/Seven.**
   ✓ **Installation Requirements: Oracle Client Product.**

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