



Alpha Numeric Digitiser “AND 4500 Inet”

Weighbridge Application Intelligent Terminal “AND 4500 inet” is a special solution for making weightment data available at remote place. It is based on GSM-GPRS technology that uses a modem and SIM along with the AND-inet. The data is made available on a special website that can be accessed through a registered mail ID. Real time updated weightment data can be viewed by weighbridge owner/ manager at head office in any part of the world.

I-net Features

- Automatic sending of data, no need of user intervention
- Upload using cloud hosting, no need of physical wiring / pen drive
- Data records can be viewed on website
- Creating excel file for viewed data
- Deletion of records at website
- Registered user can authorise other sub-users with limited or full access
- High data security: no chances of data corruption at web server
- High data security against unauthorised access
- Data from multiple weighbridges can be linked to a common mail ID
- Automatic day-end mail for activity during the day to registered user (OPTIONAL)
- On request mail any time for activity of the day till that time (OPTIONAL)

Hardware Features

- 32 bit ARM processor
- Front mount 16x2 LCD display & 0.5inch LED display
- On board memory to save 100,000 records
- USB ports for Standard computer keyboard & pen drive
- Centronics port for 80 column Dot matrix Printer
- RS232 port for connecting GSM modem
- Table top port for connecting external wired displays
- Additional com port for SMS (Optional)

Applications:

Road construction sites

Public Weighbridges

Toll Ways

Salient Features

- Availability of data at remote place in excel format
- Better supervision / control of higher authorities on weighbridge activities
- Fast utilisation of data for accounts/ logistics etc.
- Suitable for very far or roadless Sites

Standard Scope of Supply

- AND 4500 - inet
- Power cable
- Load cell connector
- Printer isolator cable

Hardware Requirement at Weighbridge

- AND-INET
- GSM MODEM
- GPRS enabled SIM

Hardware Requirement at head office

- Computer
- Internet connection
- Web browser (Firefox 3.6/ Chrome 10 / Internet explorer 7 or above)
- Microsoft excel
- Registration and subscription of device

Software Features “Installation privilege”

- Initial LCD display message field settable as OEM name/ weighbridge name
- Installation settings secured under engineer login
- Engineer login password field settable by authorised OEM
- Easy installation for i-net functionality.
- 20 step software calibration with random load sequence
- Smart Calibration
- Multi-step smart calibration
- Calibration data restoring
- Installation report

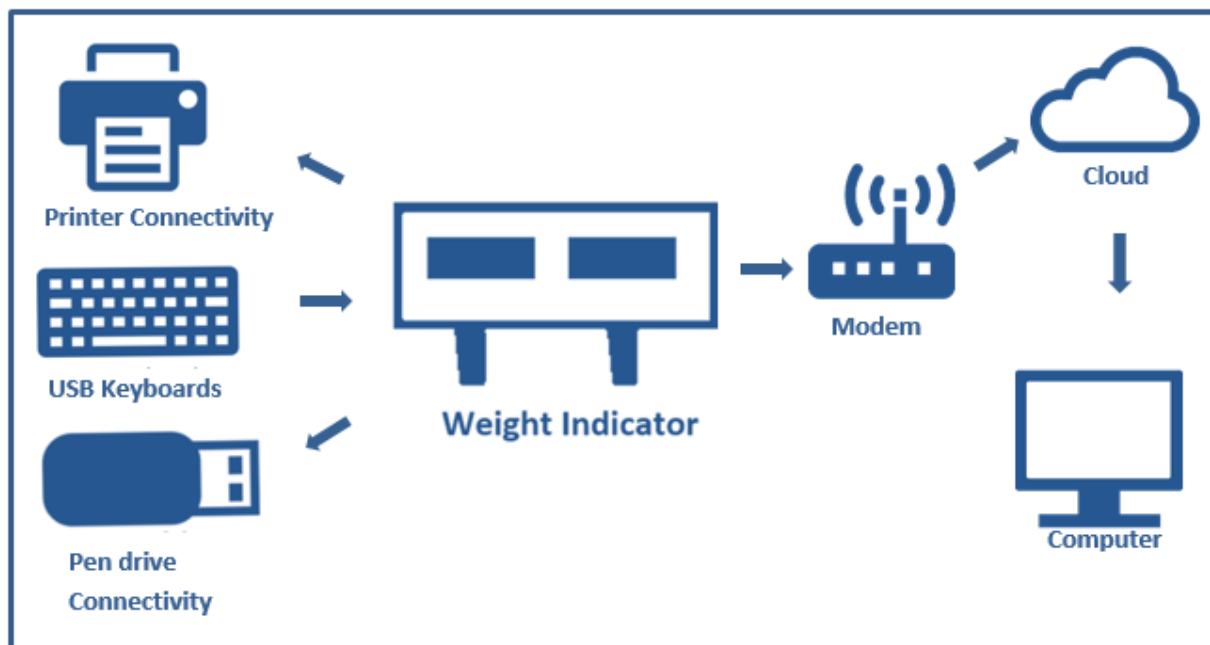
Software Features “Weighbridge privilege”

- Simple process for weighments of Tare/ Gross Vehicle weights
- 10 entries in ticket for 25 characters each
- 4 code banks for 100 codes each(Flexibility of setting)
- Field settable header, footer, signature lines
- Multiple report option all/summary/filtered/serial no. wise/date wise/time wise
- Facility to view/print earlier saved records according to RST no/ Vehicle no
- Dumping of report into pen drive to avail softcopy of records (.xls)
- Field settable pre-printed tickets
- Inet feature for uploading weighment data through modem connected on RS232 port
- Net weight printing in words
- Mandi Application feature of Rate, Amount, Binding material deduction etc.

Optional Features

- Confidential Report
- Inbuilt wireless for connecting wireless accessories (JB, display)

Peripherals



Specifications :

Processor	32bit ARM Processor
Processor clock frequency	50 MHz
Real time clock	On board battery backed RTC.
RTC Clock frequency	32.768 KHz
Memory	On board memory to save 1 Lakh records
Power supply	SMPS power supply
Input Voltage	90V to 270V AC @ 50Hz
Protection	<ul style="list-style-type: none">* 750mA fuse for input AC mains* Input line filter for EMI and RFI suppression* Spike suppressor for input transients* Opto-isolation of signals and I/Os for high immunity from electricalnoise
Power Consumption	10 VA (approx.)
A/D converter	Sigma Delta type with 24 Bit resolution
A/D Clock	20 Hz
Conversion Speed	Internal 25 samples per second
Load cell excitation	8V DC with current capability to drive up to 12 load cells of 350 ohms input resistance
Signal Sensitivity	0.3 micro volt per division of weight (unit weight)
Display	16 characters by 2 line LCD display with backlight for displaying numerals and alphabets & 1/2" LED 7 segment red display to show weight
Keyboard port	101-key with USB connector compatible keyboard. (Recommended for use Logitech or Microsoft)
USB Port	USB Port configured for Pen Drive
Printer port	Isolated Centronics compatible printer port provided on rear panel for connecting 80-column dot matrix printer for printing of weighment record and reports.
Serial port	Isolated RS-232 serial port is provided for connecting GSM Modem
Remote Display Port	Remote display port is provided to connect optional 1/2inch, 1inch, 2.3inch or 4inch bright red LED display to indicate the weight on the platform.
Environment	Operating temperature: 0° to 55° Celsius
Humidity:	up to 95% RH non-condensing