



Alpha Numeric Digitiser “AND 4500 Inet”

Weighbridge Application Intelligent Terminal “AND 4500 inet” is a special solution for making weighment 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 weighment 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

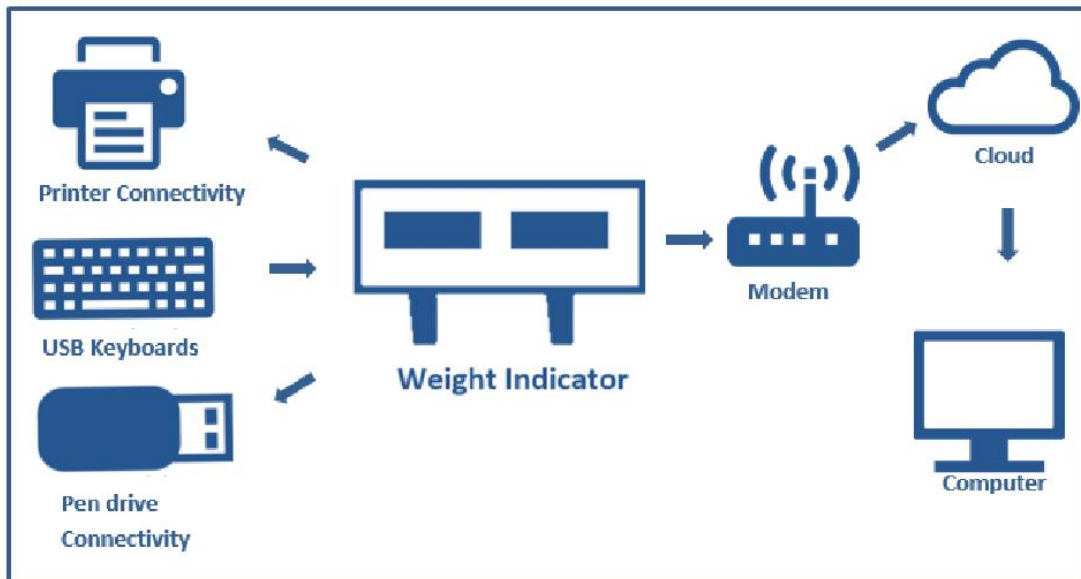
Software Features “Weighbridge privilege”

- 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	* 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 electrical noise
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

Login Screen

View of Weighment Details in Web Server

Rst No.	VEHICLE NO	PARTY	MATERIAL	RATE	S/I	WEIGHT1	Date1	Time1	WEIGHT2	Date2	Time2	Net
1	0985 UP15CT	CASH	GRIT BELOW 3MM	37	S	11000	13/08/2015	16:16	46600	13/08/2015	17:49	35600
2	6802 UP15A	CASH	HIMGIRI SAND	36	S	10400	13/08/2015	16:21				
3	3012 UP20 C	CASH	RIVER SAND	36	S	39500	13/08/2015	16:32				
4	2581 UP15AT	CASH	GRIT BELOW 3MM	37	S	10700	14/08/2015	12:31	60150	14/08/2015	16:00	49450
5	6910 UP15BT	CASH	GRIT BELOW 3MM	37	S	10500	14/08/2015	12:33	62300	14/08/2015	17:34	51800

View of Weighment Report in Excel Format

Rst No.	VEHICLE NO	PARTY	MATERIAL	RATE	WEIGHT1	Date1	Time1	WEIGHT2	Date2	Time2	Net
250	1298 HR55S	CASH	GRIT 20MM	42	11550	18/08/2015	06:16	61200	18/08/2015	14:26	49650
251	8439 UP15AT	CASH	GRIT 20MM	42	11050	18/08/2015	06:19	58950	18/08/2015	14:32	47900
252	6757 UP20T	HIMGIRI STONES	RBM 80898 K	20	67550	18/08/2015	06:20	11800	18/08/2015	06:36	55750
253	9724 UP13P	CASH	RIVER SAND	36	7750	18/08/2015	06:22	36750	18/08/2015	09:09	29000
254	2386 UP15CT	CASH	GRIT 20MM	42	11700	18/08/2015	06:23	65400	18/08/2015	15:31	53700
255	0090 UP17T	CASH	GRIT BELOW 3MM	37	11050	18/08/2015	06:26	62550	18/08/2015	12:44	51500
256	7418 HR55S	HIMGIRI STONES	RBM 77811 K	20	59650	18/08/2015	06:29	11250	18/08/2015	06:38	48400