

Indicator with Ethernet Port

“Indicator with Ethernet Port” is designed to fulfill needs of networking.

As we all know that networking of computers has changed our lives tremendously. In the similar way networking of one or many weight indicators with computer's LAN (Ethernet) port, will further simplify the data processing needs of an industry.

Indicator with Ethernet port can facilitate weight or data records integration with computer or Server using LAN connectivity.

Hardware Feature

- RJ45 / Ethernet (LAN) output port
- Serial (RS232) port
- Printer port for connecting 80 column DMP printer
- 16 X 2 characters LCD display to show weight, process
- USB port for connecting pen drive
- 102 key keyboard connectivity on USB port for installation, settings or operation
- Internal buzzer to give beep for process indication
- Internal Memory for record storage
- 230 V/50Hz AC operated

Software Features

- Weighment procedure as per weighbridge, platform or customized application
- Saving, printing, data processing, reports etc
- Dumping into pen-drive for getting .xls file for records
- Wired Connectivity in LAN network using Ethernet port
- Field settable IP address and other settings
- Connecting multiple AND's on a single network
- Wireless connectivity in LAN network using wireless router

Applications:

Manufacturing Units

Shipping and Logistics

Retail Industry

Salient Features

- LAN connectivity
 - ✓ Wired
 - ✓ Wireless using a router
- Long distance transmission
- Eliminates RS232 port compulsion at PC
- Provides easy solution to integrate indicator data with SAP/ERP

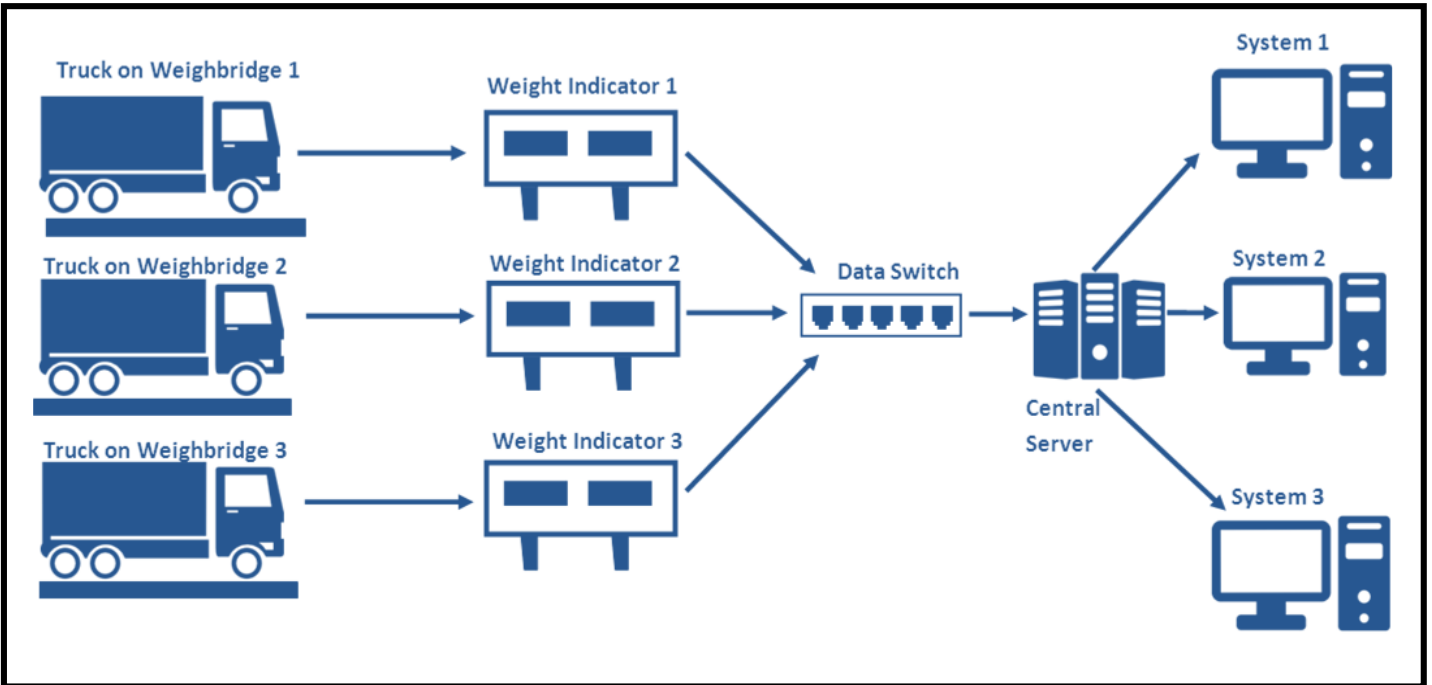
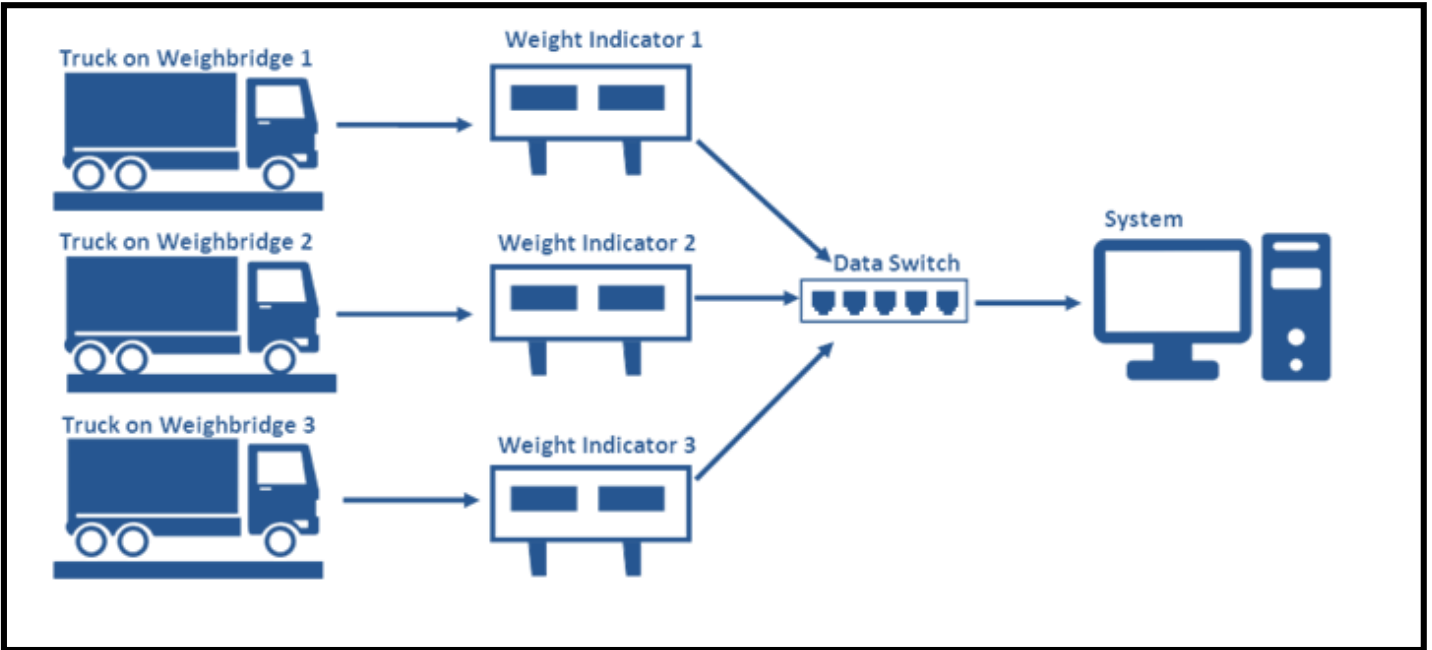
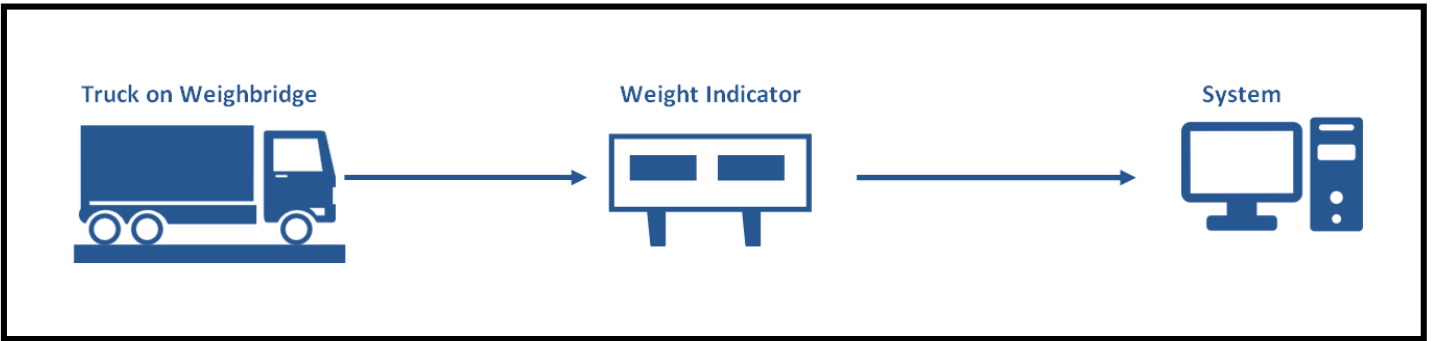
Specifications :

Processor	32bit Processor
Processor clock frequency	50 MHz
Real time clock	On board battery backed RTC
RTC Clock frequency	32.768 KHz
Memory	100000 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 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 volts per division of weight (unit weight)
Display	16 characters by 2 line LCD display with backlight for displaying numerals and alphabets
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 Serial label/barcode printer
Ethernet Port	RJ 45 port (Ethernet port) to connect with a system
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

One of the three factory set modes of data sending, can be opted as per requirement:

	Description	Usage and Benefit
MODE 1	Continuous weight data transmission at baud rate, programmable parity.	<ul style="list-style-type: none"> • Continuous weight to be used by any software application • Distance upto 100 meter and extended using switch can be obtained • No need to demand RS232 port on new generation PC, which comes without RS232 port now-a-days
MODE 2	Predefined request commands to be sent to Ethernet port, to get request information in turn like weight, ticket, report etc	<ul style="list-style-type: none"> • For usage with computer application, which is being developed by third party
MODE 3	Embedded Program of AND customised to run with "Weighment Data Collector" software.	<ul style="list-style-type: none"> • Capability of multi-tasking for weighments as well as providing data to "WDC" on periodic basis • Internal tracking to keep record of sent and unsent data and providing each data to "WDC" without fail • Facility to upload configuration to WDC. Facility to save configuration uploaded by WDC

Schemes for Weighbridge



Schemes for Platform scales

