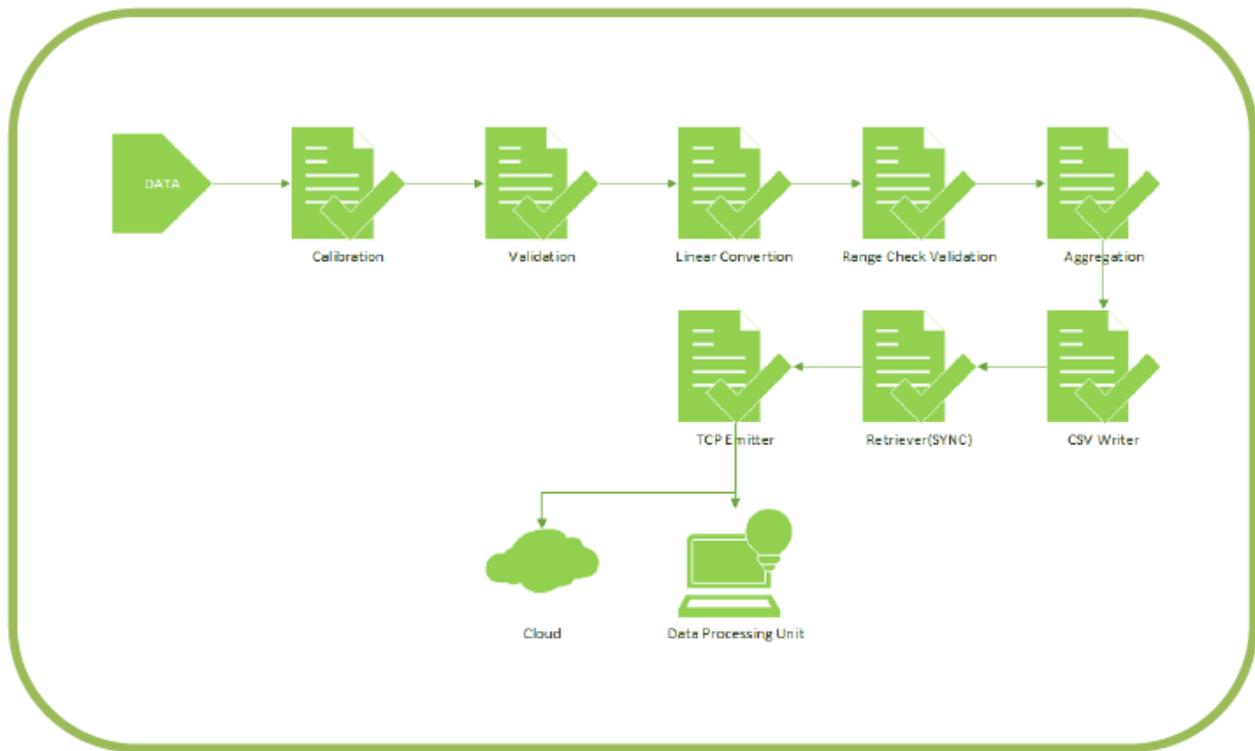


Advanced data processing engine:



**** Convert data from sensor into uniform internal format**

**** Wide range of calculators for data manipulation (based on WMO & MMD)**

- Calibrate
- Validate data
- Linear transformations
- Range mapping
- Counting
- Range checking
- Step checking
- Min
- Mean
- Max
- Wind speed
- Wind direction
- Visibility
- RVR
- Air pressure
- Temperature
- Humidity
- Dew point
- QNH
- QFF

Web Browser based Monitoring and configuration:

- Configuration is accessible using standard web browser
- Real time data up to 1-second frequency can be viewed on standard web browser
- Historical data can be viewed from standard web browser
- Presentation of data is customizable



FIRMWARE

The Firmware of eBox SDB-300 interacts

These are the features modules :

- TCP-IP data streaming
- Data Sync capability to recover missing data due to communication loss
- Advance regular expression parser to collect data from intelligent sensor



SPECIFICATION

CPU

SPECIFICATION	eBOX SDB-300
CPU	ARM
CPU SPEED	200 MHZ

RAM

SPECIFICATION	eBOX SDB-300
RAM	64MB

DATA ACQUISITION & CONTROL

SPECIFICATION	eBOX SDB-300
DIGITAL INPUT/OUTPUT	30x
ANALOG TO DIGITAL	2x

INTERFACE

SPECIFICATION	eBOX SDB-300
PC/104 BUS	1x
10/100 ETHERNET	1x
USB HOST	2x
SERIAL/COM PORT	7x
RS485 PORT	1x
SPI BUS	1x

ON BOARD DEVICE

SPECIFICATION	eBOX SDB-300
BATTERY BACK REAL TIME	1x
WATCHDOG TIMER	1x
TEMPERATURE SENSOR	1x

OPERATION TEMPERATURE

SPECIFICATION	eBOX SDB-300
FANLESS TEMP RANGE	-40c to 85c

POWER DETAILS

SPECIFICATION	eBOX SDB-300
MIN POWER CONSUMPTION	0.50 WATT
MAX POWER CONSUMPTION	3.00 WATT
POWER SUPPLY	4.5 – 20VDC