ADVANCED DATA PROCESSOR MILK COLLECTION UNIT (SPV BASED)

RDU

EU

EWS   **EMA**

Advanced DPU

32 Bit Processor

2G/3G/4G with Wi-Fi/Bluetooth

Printer

Description

Advanced Data Processor Milk Collection Unit is a dedicated unit, which receives, processes and transmits data to server (MILKNeT+). It communicates with following dairy peripherals via serial cables or bluetooth:

- Electronic Milk Analyzer (EMA) or Electronic Milk Tester (EMT)
- Remote Digital Display
- Thermal Printer & 40/80 Column Dot matrix Printer
- Electronic weigh scale

It is an advanced and latest version of DPMCU Product line, with cutting edge technological features incorporated. Advanced DPMCU inculcates advance features like 4G/ Wi-Fi connectivity, USB interface for file transfer, USB keyboard, Bluetooth interface, (4x4) matrix keypad and remote update of firmware etc.

Advanced DPMCU is a smart versatile solution which receives, stores and processes the data to generate the various reports in desired formats. Data communicated to BMC/MCC Center/Head office via network interface (4G or WiFi) can be further processed for validations, audit, payment and MIS purpose etc.

Features

- Rugged to work in rural conditions.
- High-performance ARM Cortex®-M7 32-bit Processor.
- Instant processing of data for payment.
- Remote firmware upgrade.
- Instant data upload/download from centralized Server.
- 2G/3G/4G with Wi-Fi/Bluetooth Connectivity
- PS2 keyboard/USB Keyboard support along with 4x4 matrix keypad.
- Data encryption feature
- RS232/USB communication, multiple channels to connect peripherals.
- Rate chart of Milk as per FAT/SNF can be entered.
- Passbook/Payment register for a month/year can be printed and stored.
- Settings are password protected.
- Customizable as per regional requirements such as language etc.
- Auto shift initialization & system health check Centralized testing.

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Shaping Rural India
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Advanced Data Processor unit

Processor	:	ARM Cortex®-M7 32-bit Processor
Cabinet	:	Stainless Steel
Keyboard/Keybad	:	PS2/ USB Keyboard & 4x4 Matrix
Display	:	128x64 Graphics LCD
Communication	:	UART Interface
Data Storage	:	Micro SD Card (1000 members for 2+ Years)
Network Support	:	2G/3G/4G with Wifi/Bluetooth
"Latest Feature	:	FOTA (Firmware Over The Air)remote firmware update
	:	Fat32 based faster file system"
Power Consumption	:	60 Watt Max

Thermal/Dot Matrix Printer(DMP)

Thermal Printer

Print Mentod	:	Thermal Direct Line Printing
Paper Width	:	57mm
Input Power	:	12 V
Dot Matrix Printer (Optional)		
Width	:	40 column /80 Column DMP
Speed	:	4.5 LPS/ 360 CPS
Power consumption	:	40 Watt/ 80 Watt Max.

USB Pen Drive/Sr. Pen Drive

Memory	:	Min 1 GB
Feature	:	Data in Encpted Form
Interface	:	USB/RS232 Serial
Serial Pendrive (Optional)		

Remote Display Unit

Type	:	Wall Mounted
Paramter	:	Member No., Weight, FAT, SNF, RATE, Amount, Milk Type(Optional)
Interface	:	RS232/Bluetooth
Display Type	:	Bright 7 Segment RED LED
Cables	:	Power Cable
Cabinet	:	MS Powder Coated/ Molded Plastic, IP55
Power Consumption	:	12 W max

SPV in Nieu of UPS

Capacity	:	75 Watt SPV Module
Battery	:	12V/75 AH, Low Maintenance
Electronic Charger Unit	:	To Power DC to Advanced DPMCU

Electronic Weigh Scale

Capacity	:	60 Kgs./200 Kgs.
Least Count	:	10 Grams/20 Grams
Accuracy	:	As per CLASS-III
Resolution	:	As per CLASS-III
Display Mode	:	Kg. to Ltr. Mode
Load Cell	:	Single, IP67, SS Grade,
Over Load &	:	150% of full load with audio visual
Shock Protection		indication.
Platform Size	:	400 X 400 mm/600x600 mm
Platform Cover	:	SS 304, 1.5 MM top plate.
Platform Frame	:	SS 202/Zink anodised/Hot Dip, galvanizinzed box pipe screw
Platform Screw	:	4 Shock absorbing rubber sceew with SS Bolt
Display	:	6 Digit,7 Segment Red/Green LED
Mode	:	Kg./Liter, Net, Tare and Gross
Communication	:	RS232 Serial/Bluetooth
Calibration	:	Auto Calibration
Cabinet	:	MS Powder Coated/Molded Plastic /SS IP55 with Tactile Keyboard
Power Consumption	:	20 Watt Max.

Uninterrupted Power Supply (UPS)

Capacity	:	1.0 KVA (Minimum)
Type	:	Line Interactive Type
Voltage at input	:	160 Volts to 280 Volts
Voltage output	:	230 ± 10% Volts (AC)
Frequency stability	:	± 0.5%
Noise level	:	<35 db
Full protection	:	Under/over voltage, Low battery voltage, Over Load, Short circuit
Operating	:	Temp. 5º C to 50º C, 90% RH, Dusty environment
Battery	:	12V, 75AH Industrial Tubular

Regional Offices

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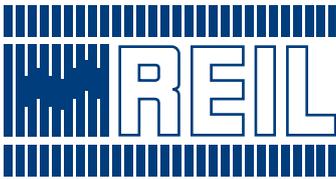
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The above specifications are subject to change without prior notice in order to provide you the best available and acquired for continual improvement.