Compact

DATASHEET

KEY FEATURES

- Turn-key battery/solar powered vehicle counting
- Seamless data transmission via 3G/4G
- Up to maximum 16 sensor inputs
- Bluetooth support for easy setup
- Dual server support

The next generation in traffic monitoring

With the launch of Compact, TagMaster introduces the latest generation of technology into the marketplace for traffic monitoring. The Compact has been specifically aimed at the traditional count classifier requirements. Capable of running multiple survey types simultaneously, with provision for inputs of up to 16 inductive loops, the Compact is capable of handling the majority of traffic monitoring requirements in a simple, easy to use standalone system utilising 3G/4G communications with battery or solar power options.

The unit has Bluetooth for installation and configuration. It is supported by EasySetup, a modern and very well-designed Android app for setup. Alternatively, the COLLECT software provide a simple user interface for the configuration and management of the device. This provides all the tools needed for site installation and commissioning, site validation and fault diagnostics as well as manual data collection if required. Compact is compatible with all TagMaster Traffic Monitoring software products and is UTMC compatible in conjunction with the Catalyst. The middleware EasyData offers a Rest API running as a Docker image.

PART NO. INFORMATION	DESCRIPTION
10274, Compact	Compact with 8 inputs for Loop
10275, Compact	Compact with 16 inputs for Loop

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TECHNICAL INFORMATION

Sensor Inputs Supported	:	Up to 16 loop sensors
Sensor Maximum Feeder	:	30m
Sensor Inductance Range	:	80-350µH
Sensor Frequency Control	:	50-100KHz
Adjustable Threshold	:	Manual or automatic
Class Schemes	:	EUR6, CA10, CA11
Control Lines	:	4xI/O and 2 Analogue
Speed Accuracy	:	+/- 3% at a 90% confidence
Length Accuracy	:	+/- 5% at a 90% confidence
Class Accuracy	:	Typically >95%
Count Accuacy	:	Typically >95%
USB	:	Type A (PC)
Serial	:	RS232 up to 115200 baud
IP Protocols	:	TCP/IP, UDP/IP, SNMP, DNS, DDNS, HTTP
Time Updates	:	SNTP or Custom Protocol
Simultaneous Connections	:	Yes
Data Storage	:	SD, 4GB, typical 4,000,000,000 vehicles
High Performance	:	ARM7 Processor
Logging Resolution	:	Speed: 0.1km/h, length:1cm
Arrival Time Resolution	:	1/10 s
Temperature	:	-40°C to +85°C
Power Supply	:	6V+2x 3V solar inputs or 12V+1x 12V solar input
Logging Supported	:	Historical binned & VBV, Real-Time VBV, Real-Time statics
SW Support	:	EasySetup Android App and/or Collect PC application for configuration and setup. EasyData or Catalyst for data collection and system integration.
Remote Communications	:	CSD, GPRS, 3G, 4G communications
EMC	:	European Standard: EN50293: 2000 Electromagnetic compatibility - Road traffic signal systems EN 55022: 2006/EN 610000-3-2: 2006/EN6100-3-3/A2: 2005/EN 6100-4-2/A2: 2001/EN 6100-4-3/A1: 2008/EN 61000-4-4: 2004/EN 6100-4-5: 2006/EN 6100-4-6: 2007/EN 6100-4-8: 1993/EN 61000-4-11/A1: 2001/HD 6338 S1: 2001
Radio	:	European Standard: ETSI EN 300 330-2 V1.3.1: 2006 Electromagnetic compatibility and radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range 9kHz; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive
Safety	:	European Standard: EN 60950-1: 2006 Information technology equipment – Safety

Due to TagMaster's continuous effort to develop the products in response to customer needs, the above specifications are subject to change.

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