

UTMC-compliant car park monitoring



UTMC-compliant monitoring of car park occupancy with IDT's Car Park Monitor.

Local authorities have for many years implemented proprietary parking guidance systems; car park occupancy counters get installed and details of available spaces are notified to drivers via dedicated variable message signs.

However, an increasing number of authorities are taking a wider, more strategic approach to parking guidance by taking advantage of the interoperability available through UTMC.

This has enabled them to:

- combine parking information with other traffic flow data
- use both strategic and parking signs to advise drivers with a consistent message
- share communications links and thereby reduce revenue costs
- select the best equipment provider for each part of the overall parking guidance solution

IDT's car park occupancy monitoring equipment complies in full with the relevant requirements of the UTMC specification and are used in cities throughout the UK, providing accurate car park counts to a variety of UTMC compliant instatations.

Key Technical Information

Interfaces

- 1 x 10/100baseT Ethernet RJ45 connection
- 2 x RS232 serial port (9 way D-type)
- 4 x opto-isolated digital inputs

Operational Features

- Single loop
- Dual loop – bi-directional
- Dual loop – uni-directional
- Occupancy, fill/empty rates plus individual entrance/exit counts
- Auto-reset
- Thresholds & Alarms
- Storage of previous 4 weeks' data
- Remote diagnostics and maintenance

Physical specifications

- 300 x 210 x 90 mm (width x depth x height).
- IP Rating: 54
- Operating temp: -15 to +60 °C
- Power: 240v ac 1.5A max
- Enclosure: Chassis plate or rack-mounting

Integration with other systems

IDT's Car Park Monitor meets the requirements of the UTMC Technical Specification thereby enabling local authorities to **integrate** their car park occupancy counting with **any UTMC-compliant instation**.



This removes the need for separate sub-systems and multiple operator interfaces and hence frees up space in the control room.

Sharing communications

Since IDT's Car Park Monitor meets the UTMC Technical Specification, it can be **connected to any IP-based communications** network and therefore **share the costs** of communications with other UTMC-compliant devices such as variable message signs and air quality monitors.

Ease of installation

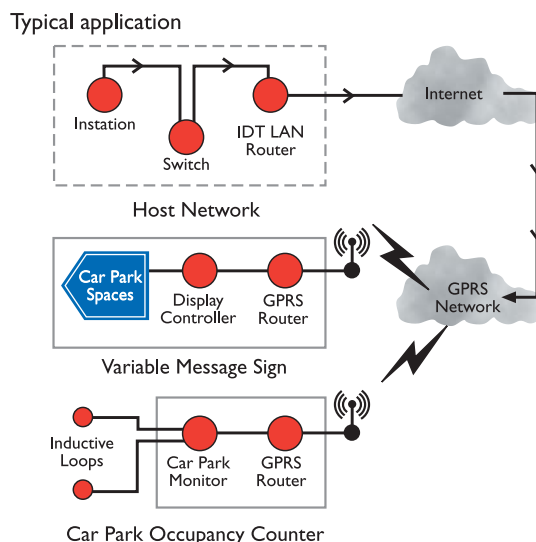
IDT's car park monitor has been designed for installation directly on to a chassis plate or in a DIN standard 19" rack. A cabinet of 920 x 612 x 277mm is usually sufficient to accommodate the Car Park Monitor, mains power supply and circuit breaker and communications modem/router.

Vehicle Detection

In its default configuration, IDT's Car Park Monitor is supplied with an MCE0100 compliant **four channel inductive loop** card. Connection to the detectors is via secure screw terminals. Four **additional** opto-isolated digital **inputs** are available to connect other, external vehicle detectors such as **MVDs**.

Setup and configuration

Setup and configuration is handled through a terminal connected to the unit via a serial cable. A menu-driven program takes you through all the settings required to configure the Car Park Monitor for both vehicle detection and network communications.



Technical support

IDT aims to provide a high level of backup for both our customers and our technical partners. All IDT products come with 12 months warranty and support via telephone and email. On-site maintenance can also be provided where required.

For further information on IDT's car park monitoring solutions, contact us at:

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