CS501 Plug-in with GSM/GPRS + GPS for CS101 Handheld Reader

Product Profile:

CS501 is a plug-in with GSM/GPRS + GPS for CS101 UHF EPC C1G2 handheld RFID reader. This plug-in enables CS101 handheld reader, with its exceptional 7 meter plus read range of passive tag, be able to go and read passive tags in outdoor environment while knowing exactly where that read is done,

CS101 HANDHELD READER

CS501 GSM/GPS MODULE

thus indirectly location identifying the tagged object. This is extremely useful for the tracking of objects outdoor with passive RFID tagging, such as highway police reading of vehicles with EVR tags, food and beverages companies tracking of loaned containers, city infrastructure maintenance tracking – e.g. waste bins, livestock such as cattle and sheep, cans for chemical and nuclear wastes, utility meters in heightened positions to prevent unauthorized access, etc.; where all of these applications require the combined feature of the long read range CS101 handheld reader and the GPS location.

Features:

- **GSM/GPRS + GPS**
- **Extra long read range of CS101 handheld reader: 7 meters with AD431 tags**

Specifications:

Physical Characteristics:	**Length = 80 mm, Width = 15 mm; Height = 30 mm; Weight = 100 g**
GSM Frequency:	**Quad Band EGSM: 850 / 900 / 1800 / 1900 MHz**
GSM Output Power:	**Class 4 (2W) @ 850 / 900 MHz, Class 1 (1W) @ 1800 / 1900 MHz**
GPS Accuracy	**< 2.5 m**
GPS Response	**Hot start < 3 S, Warm start < 35 s, Cold start < 35 s**
Environment:	**Operating Temp: -30^{0}C to 80^{0}C (32^{0}F to 122^{0}F)** **Storage Temp: -40^{0}C to 85^{0}C (-40^{0}F to 185^{0}F)** **Humidity: 10% to 95% Non-condensing**
Ruggedized Designs:	**Drop test 1 meter on 6 sides; IP65**
Order Code:	**CS501**