

UHF Reader/Writer

# V750 Series

OMRON

EPCglobal Class1 Generation2



Increase Shipping Accuracy and Efficiency



Sorting Boxes on Conveyors



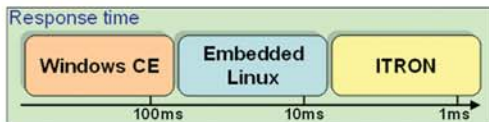
Asset Tracking Inventory Management



## Features

### Real Time Operating System

The V750 features a Real-Time-Operating-System (RTOS) ITRON, as compared to other readers with Embedded Linux or Windows CE. The end result is a more robust reader with a higher level of reliability and faster response time



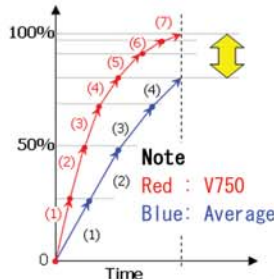
### Application-focused Filtering Function

This built-in filtering function, enables the reader to read selected user-definable tags. This function can increase read performance by eliminating undesired tags



### Quick Response

The fast response time of the V750 allows more frequent accesses to tags, improving read rates, especially in applications where tags are hard to read (high density or motionless).



### Efficient Control Setting

Depending on reading environments, various parameters can be optimized for reading performance:

- Single access or multi access mode can be chosen, depending on application
- Independent antenna settings
- Application focused filtering function.

### Self Operation

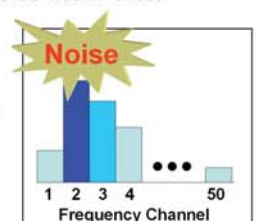
The reader can execute simple logic or processing without being controlled by a host computer. Commands from the reader can be registered to start automatically. A sensor or switch can start or stop a communication process

### Maintenance Tools

Easy site assessment from Pilot to Roll-out.

Users can remotely verify the system status by "Communication test", "Noise check", "Operation monitoring", "Error logging facility".

Multiple LED's can precisely indicate the reader's state.



**UHF  
READER/  
WRITER**

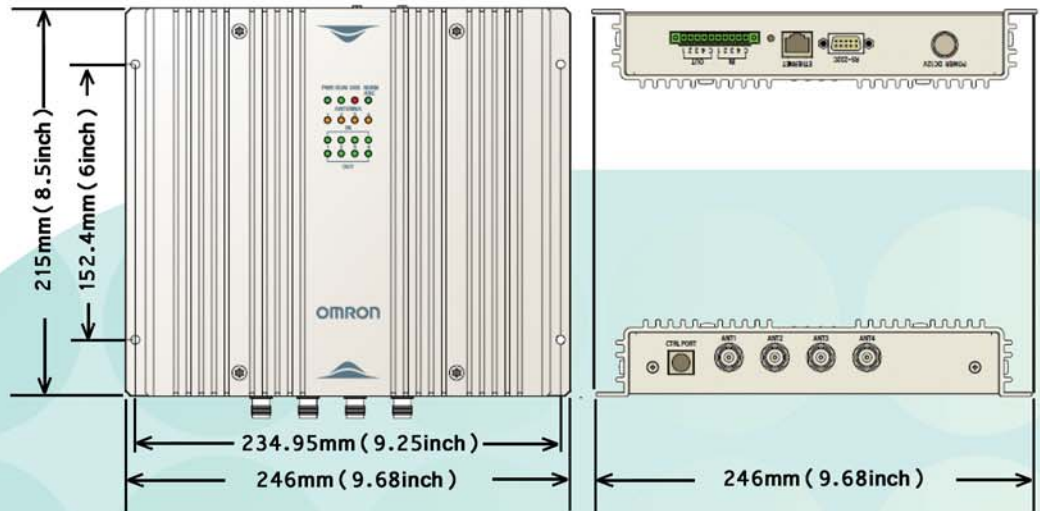
EPCglobal Class1 Generation2

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# : V750 Series

RoHS Compliant

V750 BA50C04 Series Platform enables high performance EPC Gen2 reading/writing and it features easy set up, advanced diagnostics, self execution, RF environmental monitoring function. The reader delivers fast reliable and consistent performance.



## Specifications

|                         |                                                               |
|-------------------------|---------------------------------------------------------------|
| Model                   | V750-BA50D04-SG                                               |
| Operating Frequency     | 920 MHz to 925 MHz                                            |
| Supported Protocol      | EPCglobal Class1 Generation2 (ISO18000-6 TypeC)               |
| Number of Antenna Ports | 4 ports, Mono Static ( Transmit/Receive Integrated)           |
| Operating Temperature   | -10 to +50C [+14 to +122F] (with no icing, no condensation)   |
| Supply Voltage          | 12VDC, with AC Adapter included                               |
| Dimensions              | 246 x 215 x 43.5mm [9.68 x 8.5 x 1.7 inch]                    |
| Interface Ports         | Ethernet, RS232C                                              |
| I/O Interface           | 4 Inputs and 4 Outputs                                        |
| Filtering               | 2 Filters can be used without programming                     |
| LED Display             | Operation Status x 8 Display, Input/Output Status x 8 Display |
| Function Expandability  | Software Upgradable, Control Port to Expand Functions         |

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