

PRODUCT



@芥屋

Multi-GNSS receiver module

BVMGPS5605S

Product Category [Module](#)

Communication Standards [GNSS](#)

Product Specification



PRODUCT DESCRIPTION

Multi-GNSS receiver module equipped with GNSS receiver LSI "CXD5605GF" manufactured by Sony Semiconductor Solutions and achieving the industry's lowest level of low power consumption.

FEATURES

"BVMGPS5605S" is a multi-GNSS receiver module equipped with GNSS receiver LSI "CXD5605GF" manufactured by Sony Semiconductor Solutions and achieving the industry's smallest level of low power consumption.

Built-in 1.575GHz-SAW filter and external LNA to achieve stable and high reception sensitivity. The program FLASH is also built-in. In addition, it is the latest design module that introduces Braveridge's unique know-how to improve power supply noise immunity. By connecting an external passive antenna (50Ω) and operating commands (UART / I2C) from the Host CPU, you can immediately experience the industry's highest class GNSS reception performance.



"Location information sensing" of IoT devices will be very useful sensor information from now on. On the other hand, at present, the power consumption when running on a battery is extremely large, and the operating time of the battery has been limited. The positioning power consumption of the "BVMGPS5605S" developed by Braveridge is reduced to about half that of other companies' products (compared to our company), which greatly contributes to the extension of the operating time.

In addition, a space-saving design of 11.0mm x 7.5mm. It is suitable for applications such as watching devices, wearable devices, monitoring devices, healthcare products, smart watches, digital cameras, and aftermarket in-vehicle accessories such as drive recorders.

SPECIFICATION

Installed LSI	GNSS receiver LSI "CXD5605GF" manufactured by Sony Semiconductor Solutions
Satellite	GPS, GLONASS, SBAS, QZSS, BeiDou, Galileo
Operating Voltage	1.71 to 1.89V
Antenna	External antenna
Host Interface	I2C, UART
Built-in NV Memory	8Mbit
External FLASH ROM interface	*8Mbit NV Memory is built-in, but external FLASH boot is also possible.
Size	W 11.0mm x D 7.5mm x H 1.85mm

*For details, please see the product specification.



SonicBoard with module

FBV-EVK-GPS5605S

SonicBoard GNSS

Development board of multi-GNSS receiver module "BVMGPS5605S", incorporating GNSS receiver LSI "CXD5605GF" manufactured by Sony Semiconductor Solutions.

QUOTATION

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Recommended products



FBV-EVK-GPS5605S

SonicBoard GNSS

Development board of multi-GNSS receiver module "BVMGPS5605S", equipped with GNSS receiver LSI "CXD5

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