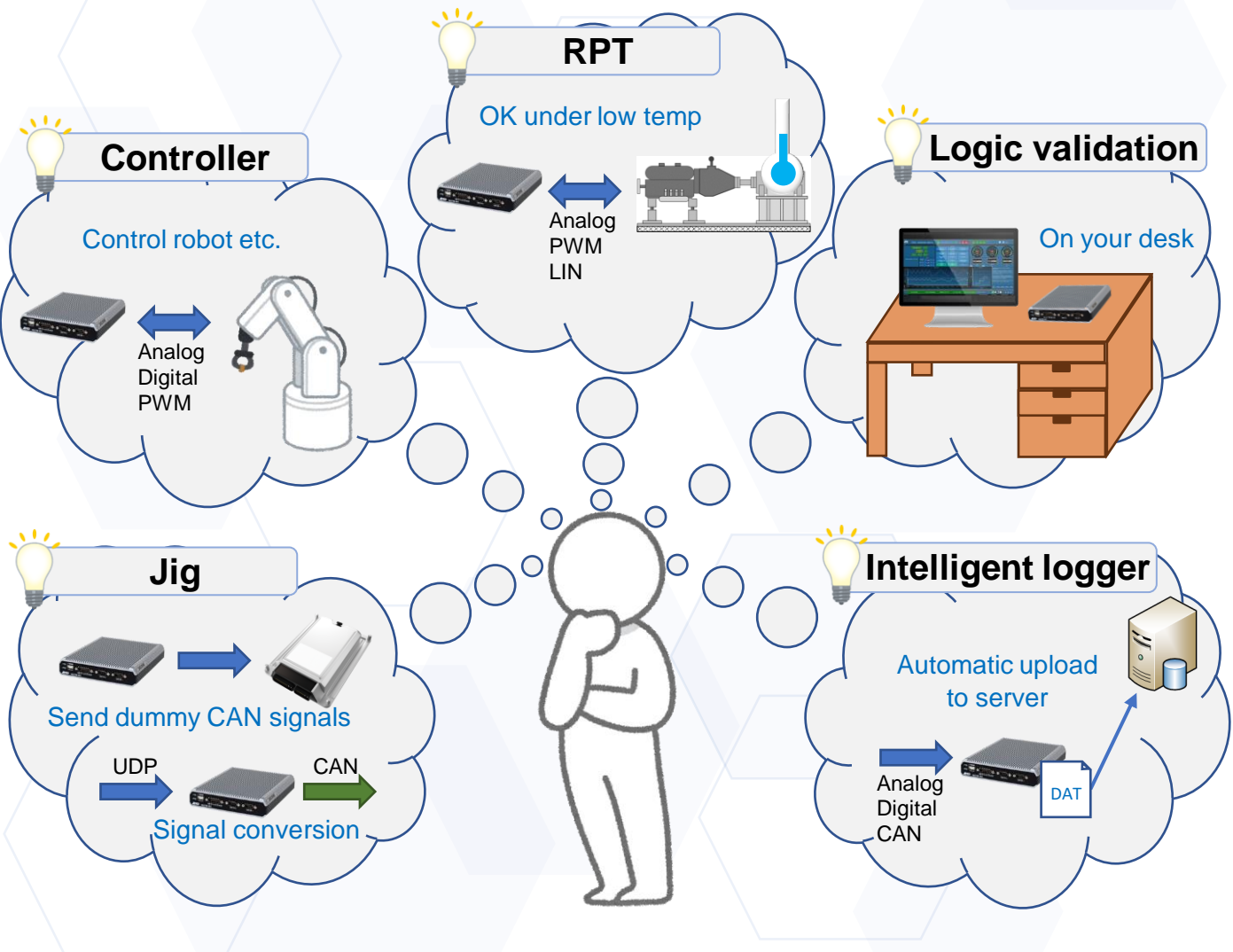


# SELENE

Rapid Prototyping (RPT) support DSP platform

**Small, Light, Low Temperature support, Reasonable price**

SELENE is a Simulink based platform with above highlights, and can be what you want. Up to you!



**TRY IT!**

# Specifications

## Common

Item	Specification
Operating Temperature Range	-20C to +60C (When below DV40V) -20C to +40C (When above DV40V)
Operating Humidity Range	0% to 9% (No condensation)
Input Power Supply Range	DC7V to 55V
Max number of modules	One CPU module + up to two I/O modules.



## CPU Module (VS3100-001)

Item	Specification
CAN FD	CAN 2.0B/CAN FD × 4ch (Switchable terminal resistance 120Ω/None) Baud rate: up to 4Mbps
LIN	1ch
SERIAL	1ch (RS-232C/RS422/RS485)
Size	164(W) x 197(D) x 37(H)mm 6.45(W) x 7.76(D) x 1.46(H)"
Weight	Approx. 1.0kg / 2.2lb



## I/O Module (VS3100-002)

Item	Specification
Analog Input	8ch single-ended voltage input 100kHz A/D sampling rate *1 16bit resolution ± 10V range
Analog Output	8ch single-ended voltage input 250kHz D/A update rate *2 16bit resolution ± 10V range
Digital/PWM Input	8ch (select 5V or VB) Frequency: up to 1MHz(5V)/up to 100kHz(VB)
Digital/PWM Output	8ch (select 5V or VB) Frequency: up to 1MHz(5V)/up to 100kHz(VB) Drive Current: up to 5mA(5V)/ up to 100mA(VB)
Size	164(W) x 197(D) x 32(H)mm 6.45(W) x 7.76(D) x 1.26(H)"
Weight	Approx. 0.7kg / 1.5lb



\*1: A/D conversion rate is 5kHz due to a multiplexer

\*2: First order filter with  $F_c=20\text{kHz}$  is implemented

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