

⚡ Body & Power Electronics

Gateway Control Module

PB-MUX-6E-A-100

Integrated Control. Built for EV Busses



Centralized, Intelligent & EV-Ready

📡 Integrated Gateway, MUX and EVCC

Combines vehicle gateway, multiplexing, and EV charge control into one centralized unit, simplifying vehicle electrical architecture.

⚙️ Supports EV Charging Communication

Integrated EVCC supports power line communication with EVSE, enabling reliable and compliant EV charging integration.

⚙️ High-Density I/O for Complete Vehicle Control

Supports 49 digital inputs, 8 analog inputs, 32 high-side drivers, relay, and actuator control for full body electronics management.

ACON GATEWAY MUX Series



⚡ **Body & Power
Electronics**



Centralized vehicle controller integrating Gateway, Multiplexer, and EV Charge Control functionality, enabling seamless ECU communication, intelligent power distribution, and EV charging system integration.

✓ **Centralized
Vehicle Control**

✓ **EV Charging
Integration**

✓ **High-Density Input
Output**

✓ **Multi-Network
Connectivity**

Outputs	Front Mux + Gateway	Rear MUX + EVCC
100W (4A-9A)	4	2
50W (2A-4A)	6	6
20W (1A-2A)	18	18
10W (<1A)	4	4
2A	-	1
Relay / Solenoid	10	10
Total	42	41

Inputs	Front Mux + Gateway	Rear MUX + EVCC
Analog	8	8
Digital AH	9	18
Digital Active Low	40	40
Wakeup Active High	11	2
Total	68	68

Parameters	Specifications
Input Voltage & Range	24V (9V - 36V)
Rating	IP 67 Alluminum Casing
Connector	TE 284617-1
NV Memory	256 MB
RTC	Yes (Internal) Battery backed
5V Ref O/P	2
Operating Temperature	-40°C to +85°C
Sleep Current	<5mA

Comm.	Front Mux + Gateway	Rear MUX + EVCC
CAN (Non Isolated)	5	3
CAN (Isolated)	1 (Galvanic Seperation)	-
LIN Channels	2	-

Empowering Intelligent Vehicle Architecture

Complete in-house development of Gateway, MUX, and EVCC systems, enabling intelligent vehicle control, communication, and electrification readiness

Let's Co-Create the Future of Mobility.

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