

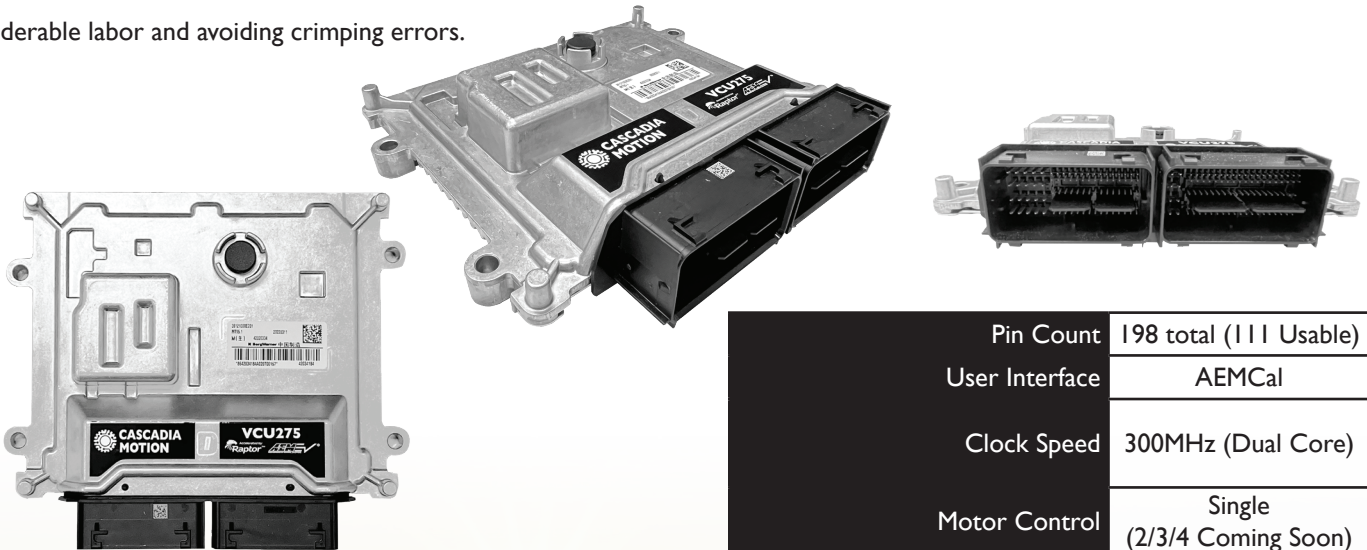
VCU275 (VEHICLE CONTROL UNIT)

COMING SOON

The VCU275 is a 198-pin (with up to 111 pins being used) state-of-the-art VCU using the AURIX TC367 microcontroller with dual TriCore processors running at 300MHz. As is the case with the VCU 200/300, the controller communicates with the BMS and manages key supervisory functions.

It features 3 CAN busses, 1 LIN channel, 2 H-bridge drivers and a broad collection of additional inputs (33) and outputs (24). The controller hardware was developed by and is produced by our parent company, BorgWarner. The VCU275 uses the same outstanding AEMCal interface tool (which is free/included) as the VCU200/300.

We also offer two mating connector kits: basic and deluxe. The basic kit includes connectors, terminals, hole plugs and strain reliefs. The deluxe kit adds 124 wires (10' long flying leads, TXL grade) that already have the terminals crimped on one end, saving the installer considerable labor and avoiding crimping errors.



Connector Kits

Pin Count	198 total (111 Usable)
User Interface	AEMCal
Clock Speed	300MHz (Dual Core)
Motor Control	Single (2/3/4 Coming Soon)
Inverter Control	Single (2/3/4 Coming Soon)
CAN Busses	3
LIN Busses	1
Analog Inputs	20
Digital Inputs	8
SENT Inputs	1
Frequency Inputs	4
Low Side Outputs	23
High Side Drivers	1
H-Bridge Drivers	2
Enclosure Rating	IP67 (Waterproof)
Enclosure Material	Aluminum
Operating Voltage	9-16 V DC
Overvoltage Protection	24V DC
Dimensions	217x189x38 mm
Weight	0.68kg (1.5 lbs)
Operating Temp Range	-40 to 105 °C