ECU MASTER

	PMU-24 DL	PMU-16 AS	PMU-16 DL	PMU-16
Operating temperature range:	AECQ100 GRADE1 (-40 to +125°C)	AECQ100 GRADE1 (-40 to +125°C)	AECQ100 GRADE1 (-40 to +125°C)	AECQ100 GRADE1 (-40 to +125°C)
Water and dust resistant:	IP60	IP65	IP60	IP60
Operating voltage:	6-22V (immunity to transients according to ISO 7637)	6-22V (immunity to transients according to ISO 7637)	6-22V (immunity to transients according to ISO 7637)	6-22V (immunity to transients according to ISO 7637)
Total current:	170 Amps	200 Amps	150 Amps	150 Amps
High-side power outputs:	10x 25 Amps 6x 15 Amps 8x 7 Amps*	2x 40 Amps 14x 25 Amps	10x 25 Amps 6x 15 Amps	10x 25 Amps 6x 15 Amps
Low-side power outputs:	No	6x 1 Amp	No	No
Analog inputs:	8x 10 bit (0-5V) up to 8x 12 bit (0-20V)* (with software selectable pullups/pulldowns)	16x 10 bit (0-5V) (with software selectable pullups/pulldowns)	16x 10 bit (0-5V) (with software selectable pullups/pulldowns)	16x 10 bit (0-5V) (with software selectable pullups/pulldowns)
+5V power sources:	1x 500 milliamps	1x 500 milliamps	1x 500 milliamps	1x 500 milliamps
Battery connection:	M6 stud	RADLOK 8mm	M6 stud	M6 stud
Connector:	1x 39 FCI automotive connector	1x AS shell size 24, 19x 12AWG 1x AS shell size 19, 37x 22AWG	1x 39 FCI automotive connector	1x 39 FCI automotive connector
CAN-bus:	2x CAN 2.0 A/B	2x CAN 2.0 A/B	2x CAN 2.0 A/B	2x CAN 2.0 A/B
Realtime PC data-logging:	Yes	Yes	Yes	Yes
Data-logger memory:	256 Mbytes	256 Mbytes	256 Mbytes	No
Data-logging frequency:	Up to 500 Hz	Up to 500 Hz	Up to 500 Hz	Up to 500 Hz
PC connectivity:	CAN**	CAN**	CAN**	CAN**
All features unlocked:	Yes	Yes	Yes	Yes
Free software updates:	Yes	Yes	Yes	Yes

* 8 analog inputs share terminals with power outputs   ** Requires CAN adapter (ECUMASTER USBtoCAN, Peak CAN or Kvaser)