



COMPARATIVE TABLE

		FT450	T550 LITE	FT550	FT600	FT700	FT700 plus
SPECIFICATIONS	Piston Engine Control (Cylinders)	1 ~ 8	1 ~ 12		1 ~ 12	1~16	1~16
	Rotary Engine Control (Rotors)	2	2, 3 e 4		2, 3 e 4	2, 3, 4, 5 e 6	2, 3, 4, 5 e 6
FUNCTIONS	Dashboard	Up to 4 screens	✗	Up to 4 screens	Up to 4 screens	New interface, up to 4 different dashboards, multiple screens	New interface, up to 4 different dashboards, multiple screens
	Configurable Splash Screen	✓	✗	✓	✓	✓ (future option)	✓ (future option)
	LEDs for Progressive SHIFT LIGHT	✗	✗		10	12	12
	Configurable LEDs for Alerts	4-virtual	✗	4-virtual	4	8	8
	O2 Closed Loop Fuel Injection	✓	✓		✓	✓	✓
	Injection Stages	2	2	2	2	3	3
	Volumetric Efficiency Fuel Model	✗	✗	✗	✗	✓	✓
	Idle control	Ignition timing, single solenoid PWM valve ^a	Ignition timing single solenoid stepper motor electronic throttle PWM valve ^a		Ignition timing single solenoid stepper motor electronic throttle PWM valve ^a	Ignition timing single solenoid stepper motor electronic throttle PWM valve ^a	Ignition timing single solenoid stepper motor electronic throttle PWM valve ^a
	Electronic Throttle Control	✗	✓		✓	✓	✓
	Advanced Launch Functions	✓	✓		✓	✓	✓
	2-step (Ignition Cut)	✓	✓		✓	✓	✓
	Boost Controller Function	✓	✓		✓	✓	✓
	Gear Controller Function	✗	✓		✓	✓	✓
	Active Traction Control	✓	✓		✓	✓	✓
	Automatic Transmission Control	✓	✓		✓	✓	✓
	Touchscreen Display	✓	✗	✓	✓	✓	✓
	Electronic Wastegate Control	✓	✓		✓	✓	✓
	Compatibility with FT Input Expander	✓	✓		✓	✓	✓
	Oscilloscope Mode	✓	✓		✓	✓ (future option)	✓ (future option)
	Compression Test	✓	✗	✓	✓	✓	✓

Legend

- a** - PWM valve: Blue output 5 on FT450, yellow outputs on other models.
- b** - Possible using external FuelTech Peak and Hold module
- c** - Recommended for high impedance injectors without the need for an external driver (up to 4 injectors per output).
- d** - Recommended for ignition (open collector outputs with 5V current source).
- e** - Blue output 6 can be used as 5th ignition output.
- f** - Recommended for driving stepper motors, electronic throttles and loads activated by 12V for ignition.
- g** - Recording time measured with 24 channels and 25Hz

		FT450	FT550 LITE	FT550	FT600	FT700	FT700 plus
INPUTS & OUTPUTS	Total Input Channels	9	16		22	38	38
	Configurable Inputs ^a	7	14		20	36	36
	SENT Communication Channels	1	1		1	11	11
	CAN Communication Bus	1	2	2	2	4	4
	High speed inputs (400khz)	0	0		0	8	8
	On-board Lambda Conditioner	0	0		0	2	2
	Generic VR inputs	0	0		0	4	4
	Total Output Channels	10	24		32	50	50
	Injection Outputs	up to 10 ^b (6 ^c)	up to 24 ^b (12 ^c)		up to 32 ^b (16 ^c)	up to 32 ^b (16 ^c)	up to 32 ^b (16 ^c)
	Ignition Outputs	up to 5 (4 ^d +1 ^e)	up to 12 (8 ^d +4)		up to 16 (8 ^d +8)	up to 34	up to 34
	Auxiliary Outputs	up to 10 (6 ^c +4)	up to 24 (4+12 ^c +8 ^f)		up to 32	up to 50	up to 50
	Maximum Current on the Auxiliary Outputs	5A (blue outputs)	5A (limiter at 6.5A)		5A (limiter at 6.5A)	10.7A (programmable limit)	10.7A (programmable limit)
LOG	Datalogger Capacity	2h50min ^g	2h50min ^g		2h50min ^g	617h ^g	617h ^g
	Sampling Rate	1 ~ 200 Hz	1 ~ 200 Hz		1 ~ 200 Hz	1~1000 Hz	1~1000 Hz
	Configurable Sampling Rate per Channel	✓	✓		✓	✓	✓
MULTIMEDIA	Internal Speaker	✗	✗		✗	✓	✓
	Output for External Speaker	✗	✗		✗	2	2
	Microphone Input	✗	✗		✗	2	2
	Input for Cameras	✗	✗		✗	2	2
CONNECTIVITY	USB Ports	1 USB-B mini	1 USB-B mini		1 USB-B mini	2 USB-C	2 USB-C
	WiFi	✗	✗		✗	✓	✓
	Bluetooth	✗	✗		✗	✓	✓
	Data Transfer via USB Drive	✗	✗		✗	✓	✓
HARDWARE	Case	Plastic	Aluminum - Front Plastic - Back	Plastic	Aluminum	Metal Alloy & Fibre Reinforced Plastic	
	Built-in GPS	✗	✗	✗	✗	✓	✓
	Acceleration Sensor and Built-in Gyroscope	✗	✓		✓	✓	✓
	AMP SUPER-SEAL 1.0 Automotive Connectors	✓	✓		✓	✓	✓
	Display	TFT 4.3" Color	✗	TFT 4.3" Color	TFT 4.3" Color	TFT 7" Color	TFT 12.3" Color
	Weight	9.5oz / 270g	11.6 oz / 330g	11oz / 309g	20.7oz / 88g	--	--
	Dimensions	5.75 x 3.62 x 2.13 in	5.75 x 3.62 x 1.54 in	5.75 x 3.62 x 2.13 in	5.86 x 3.7 x 2.42 in	--	--

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