

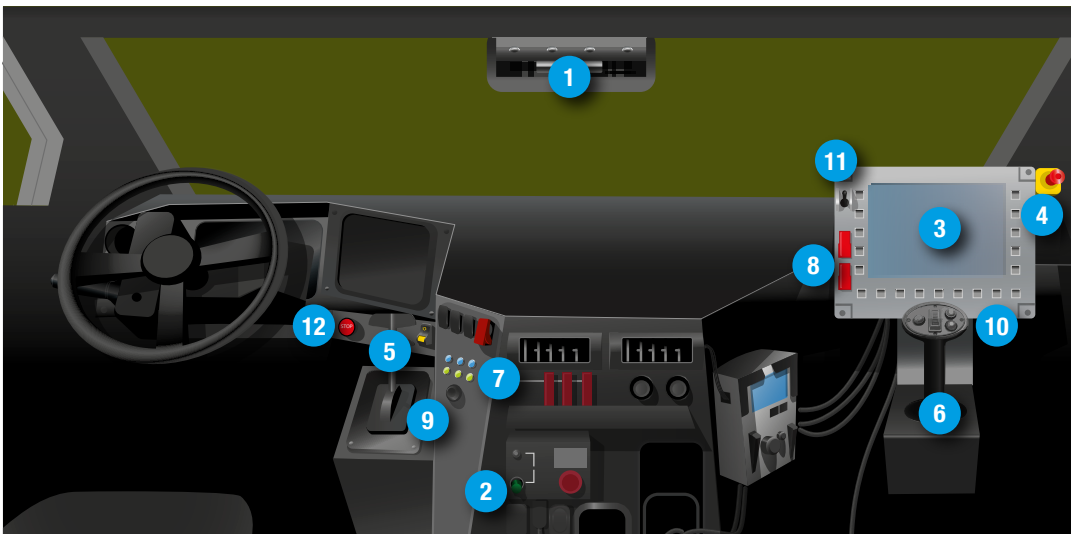
APEM

www.apem.com

ONE-STOP SHOP FOR STANDARD AND CUSTOMIZABLE MIL-GRADE HMIs FOR ARMORED VEHICLES

DEFENSE ARMORED VEHICLES

For years, we have been designing robust and customizable HMIs tailored to the demands of **defense ground vehicle manufacturers**. Resistant to extreme temperatures, dust, water, shocks, and vibrations, our solutions ensure performance and reliability in any condition.



7 LED INDICATORS:
Q series
and QRM series



8 SWITCH GUARD:
MSG series



9 PUSHBUTTON:
IP series



10 SEALED SELECTOR SWITCH:
MTG series



11 CECC AND MIL-GRADE TOGGLE SWITCH:
12000x778 series



1 FOR LIGHT CONTROL:
AV series



2 ONE-CLICK PUSHBUTTON:
13000X778 series



3 CUSTOM KEYBOARD



4 ROBUST EMERGENCY STOP SWITCH:
ES series



5 ROCKER SWITCHES:
KL & KR series



6 HAND CONTROLLER:
FG series



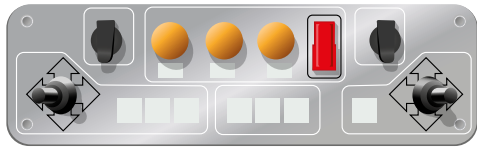
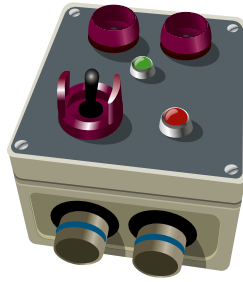
12 MOMENTARY PUSHBUTTON SWITCH:
WP series



STANDARD AND CUSTOMIZABLE HMIs FOR ARMORED VEHICLES

Configure your control module with qualified & reliable MIL-grade HMI components.

Hand controller fully customizable & ambidextrous operation



Designed to excel in extreme environmental conditions—humidity, corrosion, dust, sand, water, and extreme temperatures—our HMIs are built to endure intense vibrations and shocks without compromising on functionality. They offer intuitive interfaces, optimized for use with thick gloves, ensuring seamless operation even in high-stress situations.

With a focus on reliability, redundancy, and security, our solutions can be easily integrated into embedded systems to improve performance. APEM develops complete and customized interface solutions, integrating components, standard electronic boards, and programming (USB, CANbus, RS, UDS) to meet the challenges of armored vehicles.

Our selection

Custom options available. Please contact APEM for further details.

2-axis joysticks		LED indicator	Toggle switches		Switches			E-stop switch
								
FG	TS	Q8	12000X778	12000	MT	IP	13000X778	ES
IP65	IP67	IP67	IP67	IP69K	IP68	IP67	IP67	IP69K
1M lifecycle	1M lifecycle	100,000 hours expectancy	150,000 lifecycle	150,000 lifecycle	100,000 lifecycle	200,000 lifecycle	150,000 lifecycle	100,000 lifecycle
Custom configure	One or two axis	Ø 8 and Ø 14 mm rear panel mount	bushing Ø 11.9 mm	bushing Ø 11.9 mm	bushing Ø 11.5 mm	bushing Ø 12 mm	bushing Ø 11.9 mm	22mm
Operator Presence Paddle	Pushbutton option	-	MIL-DTL-3950, MIL-DTL-83731	CECC 96201-005, CECC 96201-008	Multiple functions available	Latching action	Double shell case	IK10