Panasonic
BUSINESS

AUTOMOTIVE MOBILE TEST SOLUTION
NEXT-GENERATION VEHICLE PRODUCTION AND TESTING SOLUTION FOR THE AUTOMOTIVE INDUSTRY

This solution has been designed in collaboration with leading automotive OEMs to initialise ECUs (Electronic Control Units) and enhance production testing. The device has all of the latest enterprise features for seamless integration into the corporate IT environment whilst featuring automotive specific technology such as high power Infra-Red and rugged military grade dual Fischer UltiMate™ Series connectors.

Ergonomically designed with both the user and process in mind, this compact solution, designed around the Toughpad FZ-M1 7" tablet, incorporates a flexible VCI holder at the rear of the tool, a comfortable carry handle, programmable hot-keys and scratch protection coatings to reduce the risk of damaging vehicles.

The device features dual rugged USB ports with power-in capability on both sides of the device ensuring simple and efficient vehicle engine initialisation and testing for both left and right hand drive vehicles.

- Intel® Core™ m5-6Y57 vPro Processor
- Windows 10 Pro
- Intel graphics 515
- 7" WXGA (1280x800) outdoor display (up to 500cd/m^2)
- Capacitive 10 finger multi-touchscreen
- Programmable hot-keys
- Integrated high power IrDA; 2D barcode reader and NFC contactless card reader

- Rugged and durable design for production plant environments
- Dual Fischer UltiMate™ Series connectors
- Protected ODB in-vehicle charging
- Reliable and long term product life cycle and form factor
- Interchangeable protective mounting insert

Specification is subject to change without notice.
Product still under development.

intel
CORE m5
vPro
inside™

www.toughbook.eu

TOUGHPAD

DRIVING EFFICIENCY

THE NEXT GENERATION VEHICLE PRODUCTION AND TESTING SOLUTION FOR THE AUTOMOTIVE INDUSTRY

Featuring an industry leading warranty and tailored professional services, the Automotive Mobile Test Solution meets the requirements of modern automotive production plants providing a reliable and attractive mobile testing solution coupled with proven TCO and ROI.

Mobile Computing Platform	Intel® Core™ m5-6Y57 vPro™ processor (1.1GHz up to 2.8 GHz with Intel® Turbo Boost Technology, 4MB Intel® Smart Cache)	
Operating System	Windows 10 Pro Windows® 7 Professional Downgrade	
RAM	4GB (max. 8GB)	
Graphic Chip	Intel® HD Graphics 515, UMA	
Camera	Front: 2MP (can be covered and deactivated)	
Storage	128 GB Solid State Drive (Serial ATA), 256GB optional	
LCD	7'' sunlight-viewable WXGA Active Matrix (TFT) IPS LCD with circular polarizer (up to 500cd/m² brightness)	
Touchscreen	10 finger capacitive multi-touchscreen	
Bluetooth®	Version 4.1 + EDR Class 1	
WLAN	Intel® Dual Band Wireless-AC 8260	
4G Mobile Broadband	Option (Gobi 5000), supports 3G	
Sound	WAVE and MIDI playback, Intel® High Definition Audio subsystem support, internal Microphone for Webcam	
Interface	USB 3.0:	x1 (Additional 2 x USB 2.0 rugged connections on AMTS unit)
	Headset:	x1
	Port Replicator Connector:	x1
	Dual Antenna Connector:	x1 optional
Expansion slots	Micro SD/SDXC Memory Card:	x1 (Available but not user serviceable)
Power	AC Adapter:	Input: 100V - 240V AC, 50Hz/60Hz, Output: 16V DC, 3.75A
	Battery:	Lithium-Ion (7.2V, 3320mAh)
	Operating Time:	8 hours, MobileMark™ 2007, 60cd/m²
Security Features	TPM (Trusted Platform ModuleTCG V2.0 Windows 8.1, V1.2 Windows 7 compliant)	
	Integrated hardware security lock slot	
Additional Specifications	Power management and active cooling for maximum performance	
	Integrated high power Infrared	SIR: 9.600kBit-115.200kBit
	Dual Fischer UltiMate™ Series connectors for power and USB	(for right or left side configuration)
	4 x customisable buttons or 'hot keys' for launching and navigating applications	
	Fan, keyboard, power management systems are accessible via HID interface, including firmware updates.	
	2D Barcode Reader and NFC contactless card reader	
	Rear fixing points allow customer specific peripherals to be mounted to the gadget as required	
	Custom designed mounting insert, easily removed and adaptable. Colour and specification subject to change according to customer requirements.	
Dimensions	Length:	Max 226 mm (8.90'')*
	Depth:	Max 123 mm (4.84'')*
	Height:	Max 193 mm (7.60'')*
	Weight:	Less than 1.8 Kg (3.97 lb)*
Testing Standards	Gravity drop resistance test:	Minimum 90cm*

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