

MDT - (MOBILE DATA TERMINAL) ALL-IN-ONE: LCD TOUCHSCREEN COMPUTER

The ICD-850 is an rugged all-in-one MDT solution for in-car use. It consists of a high bright LCD monitor, a compact Single Board Computer, a SSD [Hard Drive] and a touchscreen. The unit also has an integrated 3G modem for internet connectivity and a GPS receiver for satellite navigation.

This unit is design to fit into a standard radio single DIN slot, and can be fitted with ease.

The LCD also has a deep dimming backlight control, which enables the user to dim the screen from 100% to 0% brightness.

KEY SPECIFICATION:

- > **Touch screen facility**
A resistive touchscreen is integrated into the screen
- > **Integrated Hardware:**
 - 3G Internet connectivity
 - GPS receiver
 - Microphone / Speaker
 - Smart Card Reader
 - Video camera in cab
- > **Inputs**
USB, Ethernet, Serial RS232
- > **Adjustable depth of head unit**
This enables the unit to be adjusted to suit any vehicle with a single DIN-E radio slot
- > **Rugged metal construction**
The ICD-850 has been designed to withstand the harsh shock and vibration levels experienced by a police vehicle.
- > **High speed SBC (Single Board Computer)**
The high speed/ low power SBC in the ICD-850 makes this ideal for use in vehicles
- > **High speed SSD SATA (Hard Drive)**
The ICD-850 as standard has a 64GB Solid State SATA Hard Drive integrated which enables fast read /write speeds with high capacity, yet robust and durable for use in a high-shock environment
- > **Intelligent Power Management System**
The ICD-850 has a power management system which enables the screen to be operated while the vehicle is in use, but will power down the PC when the car has not been occupied for a period of time. This system means the PC is shut down correctly and prevents damage to the key operating system files. It therefore does not drain the vehicle's battery when the car is not in use. The system will also know when the vehicle has been re-occupied and will start up automatically.



8.4" RUGGED LCD IN-CAR TOUCHSCREEN PC DISPLAY

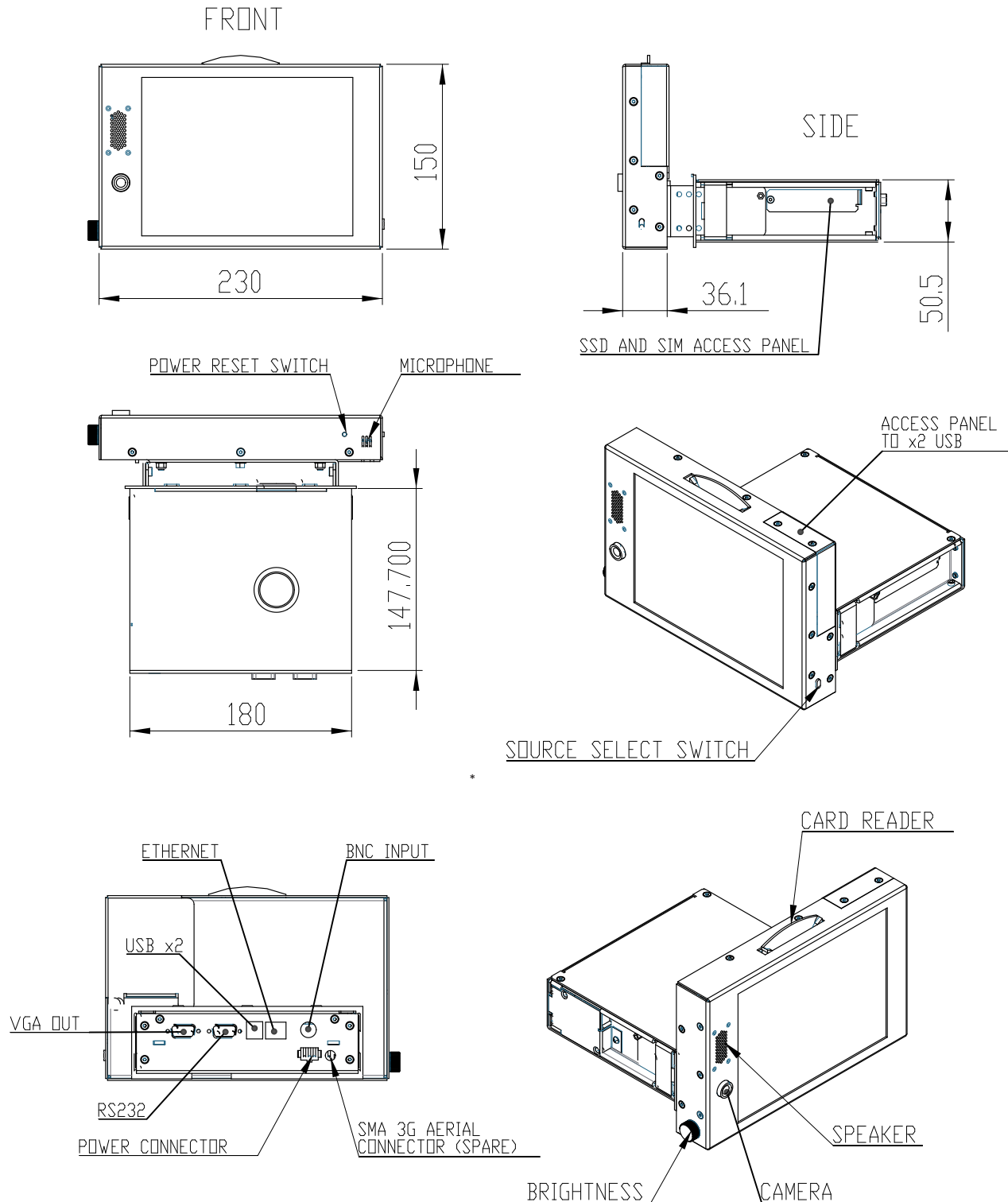
ICD-850

Electrical Description		Mechanical Description	
TFT Characteristics:		Dimensions:	Monitor: 240.5 x 163.5 x 36.0mm
			Weight: 3.5 kg
Type:	a-si TFT active matrix	Touch screen	Resistive touchscreen
Max Resolution:	800 x 600 pixels (SVGA)	Housing	Painted aluminium
Active Display Area:	170.4 x 127.8 mm	Side Controls:	Power reset switch, Deep dimming control
Response Time:	30ms typical		
Contrast Ratio:	600:1 typical	Integrated Hardware:	
Brightness:	1000cd/m ² typical	3G Internet:	3G integrated, with SIM slot & Aerial onboard
Viewing Angles (at CR>10):	80 ° R / 80 ° L / 80 ° Up / 60 ° down	GPS:	GPS receiver module & antenna
Backlight Life:	50,000 hours typical	Peripherals (Keyboard):	USB interface on rear (keyboard not included)
No. Colours:	16.7 Million	Smart Card Reader:	User Log-In Access
		Microphone / Speaker:	Built in Microphone and Speaker
PC Specification:		Video Camera:	Facing car interior
Processor:	1.6GHz Intel Atom SBC		
Memory:	2GB RAM	Interface Connectors:	x1 Ethernet (RJ45)
Storage:	(SSD) 64GB SATA Drive (removable)		4x USB (x2 rear face, x2 front face)
Power Supply:	12v DC		x1 Power Connector
			Serial RS232 (9way- D)
			x1 VGA out (15way-D)
			x1 3G Aerial (Rear Face) SMA Connector (Extra Aerial Port)
Power Consumption:	15W (Max)	Part Numbers:	
Environmental:		Model number:	ICD-850
Storage Temp:	-20 to 80°C	Optional Extras:	
Operating Temp:	-10 to 55°C	Speed enforcement Video Input (with source select switch)	Part Number: TBC
		Upgraded Hard Drive (128GB)	Part Number: TBC

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* Source select switch not standard