

LOGIC

INSTRUMENT



TETRA*note* **EX15** VERSION 2013

- DISPLAY** LCD 15.1" XGA (1024x768)
Sunlight readable, optical bonding, LED backlight
Option: Resolution SXGA+ (1400x1050)
Option: resistive, sunlight readable touchscreen
- CPU / CHIPSET** Intel® Huron River Platform, Intel® Cougar Point QM67
Intel® Core™i7-2610UE™, Sandy Bridge, 1.5 GHz
(2.4 GHz max. turbo frequency)
- GRAPHICS** Intel® HD Graphics 3000
Option: dedicated graphic card nVidia® GT520 series
- MEMORY** Up to 16 GB DDR3 1333 MHz (2 slots)
- STORAGE** Removable 2.5" SATA II HDD
Option: Removable SATA SSD SLC (industrial grade) or MLC
- OPTICAL DRIVE** Removable DVD±RW drive (Flex Bay)
- AUDIO** HD sound, stereo speakers
- INPUT** 87 keys standard keyboard, capacitive touchpad
Option: resistive, sunlight readable touchscreen
Option: Backlit keyboard with 89 keys
Option: IP-protected keyboard
- COMMUNICATION OPTIONS** WiFi (Intel® Centrino Advanced-N 6235 802.11a/g/n)
Azalia V9.2 56k fax/modem
2nd LAN card 10/100/1000 MBit
4x RS232/422/485 external connectors
Fiberoptic LAN 100/1000 MBit
UMTS / HSDPA (Gobi 3000)
GPS (Ublox LEA-6H)
Dual mode Bluetooth v2.1, 2.1+EDR, 3.0, 3.0+HS, 4.0(BLE)
Internal CAN BUS interface
Integrated chip/smart card reader
- POWER SUPPLY** Li-Ion battery, 11.1V, 8700 mAh
AC Adapter, 90W, 90-240V, 50-60Hz
Option: Built-in vehicle adapter (direct 12 VDC- 32 VDC)
Option: SP200 surge protector
Option: Isolated chassis for vehicle installation
- INTERFACES LEFT SIDE** 1x PS/2, 2x USB 3.0, 1x USB 2.0,
1x IEEE 1394 (Firewire), 3x Audio,
1x Gigabit LAN, 1x Modem, 1x Express Card (PCIe)
- INTERFACES REAR SIDE** 2x serial DB9, 1x DC-In, 1x VGA (RGB),
1x DP-DVI, 1x Docking Connector
- INTERFACES INTERNAL** 3xmini PCIe, 4xUSB 2.0, 1xmSATA,
4x serial (TTL, RS232, RS422, RS485)
- OPERATING SYSTEM** Windows 7 / 8 (32 or 64 Bit)

- CERTIFICATIONS** CE, FCC, WHQL, WEEE, REACH,
IP65 (with I/O-ports open), MIL-STD 810G
Option: -30°C / -22°F with additional heater
Option: MIL-STD 461E(F) certification - Ground Navy / Ground Army (Navy fixed & Air Force / Navy mobile & Army)
Option: BSI Zone 0 / SDIP 27 Level A
Option: BSI Zone 1 / SDIP 27 Level B
- HOUSING** Rugged magnesium housing
- COLOR** black, military green, desert / sand color, other colors on request
- DIMENSIONS** 340 x 294 x 64 mm / 352 x 294 x 79 mm (incl. bumpers)
13.4 x 11.6 x 2.5 inches / 13.8 x 11.6 x 3.1 inches (incl. bumpers)
- WEIGHT** 5.5 kg / 12.1 lbs.
- ACCESSORIES** Second Li-Ion battery, 11.1V, 8700mAh (replaces ODD)
Second HDD/SSD (replaces ODD)
Battery charger for primary and secondary battery
ROD01.2 DC/DC Power Supply
Transport Bag
Stormcase (rugged transport box)
Docking station
Shock mount
FlexBay Modules (replaces ODD) - the FlexBay provides nearly unlimited possibilities for additional connectors

	Operating	Storage
Altitude Method 500.5, (procedure I, II)	4572 m (15000 ft.), 12192 m (with special HDD housing)	12192 m (40000 ft.)
Temperature Method 501.5 & 502.5, (procedure I, II)	-20°C to +55°C	-40°C to +70°C
Temperature Shock Method 503.5, (procedure I)	-20°C to +60°C	
Solar Radiation Method 505.5, (procedure I)	N/A	Diurnal Cycle A1, worldwide deployment
Rain Method 506.5, (procedure I)	276 kPa, 0.5 - 4.5 mm diameter	
Humidity Method 507.5, (procedure I)	Five 48h test cycles 95 %	
Salt fog Method 509.5, (procedure I)	N/A	5 %, 35° C
Explosive Atmosphere Method 511.5, (procedure I)	passed	
Vibration Method 514.6, category 1 Method 514.6, category 14 (procedure I) Method 514.6, category 20 (procedure I)	Tracked Vehicle Vibration Helicopter Vibration OH58A/C Comp. Wheeled Vehicle Vibration	
Shock Method 516.6, (procedure I)	40 G, 11ms 122 cm (26 drops)	



Specifications are subject to change without prior notice.

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