

# TETRA P470<sup>®</sup>

*THE LEADING EDGE OF RUGGEDIZED NOTEBOOK  
VERSATILE TECHNOLOGIES*

- Designed to meet MIL-STD 810F
- Screen Size: Large 14.1" Wide Screen
- Media-bay Features Maximize Flexibility and
- Customized Applications
- Full Magnesium Alloy Case
- Sealed Ports and Connectors
- Shocked-mounted Removable HDD
- Vibration & Drop-shock Resistant
- Water and Dust Resistant
- Sunlight Readable LCD Screen
- Versatile Wireless Access: WLAN, WWAN, and BT



Semi-Rugged Rugged Fully-Rugged



## TETRA P470<sup>®</sup>

Powered by Intel<sup>®</sup> Centrino<sup>®</sup> Mobile Technology, Core<sup>™</sup> 2 Duo processor and the Intel<sup>®</sup> PRO/Wireless network solution you can have the best access and performance in various applications. TETRAP470 is equipped with 14.1" wide sunlight readable touch screen which offers readability to outdoor situations as well as indoors.

WLAN can be instantly switched to a built-in 3G+ communication solution to maintain accessibility to networks.

In the tough environments security always matters, the P470 has a built-in TPM 1.2 module, finger print scanner and Smart Card reader to provide additional 3 layers of excellent protection for valuable data.



# TETRA P470<sup>®</sup>

## ■ Specification

PROCESSOR	Intel® Core™ 2 Duo T7200 2GHz ;
FSB	400MHZ
CACHE	4 MB L2 Cache
RAM Memory	1GB DDR2 expandable to 2GB
VGA Controller	Integrated in Intel® 945GM, 128MB shared memory
HDD	Optional : ATI M62P VGA with 256MB VRAM Removable. SATA 120GB expandable to 160GB
MEDIA BAY	Optional : 2 <sup>nd</sup> HDD 80 /120 GB in media bay Easy swappable bay for Super Multi DVD R9 (standard) or FDD / 2 <sup>nd</sup> Battery / 2 <sup>nd</sup> HDD
BATTERY	Optional : Customized I/O ports (Parallel port, serial port and etc.) Li-Ion smart battery (4700mAh) Optional : Li-Ion smart battery (7200mAh) 2 <sup>nd</sup> Li-Ion battery pack in Media Bay (3700mAh)
POWER	VAC adapter (90W, 100-240V, 50/60Hz) auto sensing
KEYBOARD	Waterproof membrane keyboard Optional : Projected LED light for keyboard (instead of webcam)
TOUCHPAD	Pressure sensitive touch screen Glide touchpad with scroll bar
SOUND	2 x Built-in stereo 1.5W speakers Mic Array with Noise Cancellation, Echo Cancellation

## ■ Interfaces

PCMCIA	Type II x2 & Express card/54 x1
I/O PORTS	Serial Port x1; USB2.0 x3 ; Ext. VGA x1; 1394B x1 RJ-45 x1 ; RJ-11 x1 ; Microphone x1; Line out x1 DC in x1 ; Docking port x1
OTHER	Smart card reader Fingerprint scanner Webcam CMOS 1.3 Mega Pixels Optional : See additional I/O ports on media bay

## ■ Operating system

Microsoft® Windows® XP Professional

## ■ Communication

10/100/1000 base-T Ethernet ; 56K ITU V.92 modem  
Intel PRO/Wireless 802.11 a/b/g/n  
Bluetooth v2.0 class 2  
Optional : GPS Module (with integrated antenna)  
3G+ (HSDPA) Module

## ■ Display

14.1" WXGA (1280 x 800) TFT LCD  
Optional : Polarized Touch screen & Sunlight readable display

## ■ Security Features

TPM 1.2  
Kensington lock  
Fingerprint scanner  
Smart Card reader

## ■ Environmental

MIL-STD-810F compliant

## ■ Dimensions

333 mm (W) 295 mm (D) x 42 mm (H)  
( 13.1" x 11.6" x 1.6" )  
Weight : 2.95 Kg (6.5 lbs)

## ■ Accessories

– Carrying bag  
– Office dock  
– Vehicle doc



### Backside

4800 mAh Li-Ion primary battery pack  
External VGA x 1  
Serial Port x 1



### Leftside

ExpressCard x 1	PCMCIA Type II x 1
1394B x 1	USB 2.0 x 1
4 in 1 Card Reader x 1	RJ-45 x 1
RJ-11 x 1	Headphone OUT x 1
Microphone x 1	DC IN x 1



### Rightside

USB 2.0 x 2  
Media Bay x 1  
Smart Card Reader x 1  
Shock-mount Hard Drive x 1

Environmental specifications		
	OPERATING	STORAGE
TEMPERATURE	0°C to +45°C	-40° to +70°C
HUMIDITY	IEC 68-2-30/MIL-STD-810F, Method 507.4	
	5% to 95% RH, non-condensing	
ALTITUDE	IEC 68-2-13/MIL-STD-810F, Method 500.4	
	4 600 m (15,000 ft)	12 200 m, (40,000 ft)
	Altitude change rate 610 m (2,000 ft/min)	
SHOCK	IEC 68-2-27/MIL-STD-810F, Method 516.5	
DROP	90cm (3ft)	
VIBRATION	IEC 68-2-6 / MIL-STD-810F, Method 514.5	
ESD	IEC 1000-4-2, Level 4	
REGULATION	FCC, CE, CB, WHQL	



Feel free to contact us for further informations or connect to the website [www.logic-instrument.de](http://www.logic-instrument.de)

\* Specification subject to change without notice.