

M-PC

In-Vehicle Mobile Computer

System unit		 <p>Integrated single or dual GPRS</p>
Processor	Pentium® III 500MHz	
Memory	Up to 256MB	
Cache	32KB level 1 & 256KB level 2	
Video controller	PCI with 2M or 4MVRAM • 8M 3D option with multiple video capture	
Camera feed	Composite or S-video input (PAL, SECAM, & NTSC)	
Hard drive	PCI IDE with up to 40G hard disk drive	
Sound	PCI stereo sound	
Ethernet	PCI 10/100Mbps twisted pair	
Digital I/O	Optically isolated 16-channel	
USB	Optional support for one port	
Parallel & serial	1 parallel & up to 6 serial ports	
CD	External CD-ROM drive connected by USB or parallel port	
GPS	Choice of integral GPS in main unit or external connection	
GPRS	Optional integrated single or dual GPRS module	
Cardbus controller	Optional support for PCMCIA cards (M-PC/E)	
Backup service battery	Automatically operates when primary power is lost • System-controlled charging	
Cage option	Protective cage for main unit	
Touchscreen units		
Flat panels	TFT colour VGA & SVGA screens: 6.4, 8.4, 10.4 or 12.1 inch • Other sizes available	
On/off switch	Controls power to main unit with automatic Windows shutdown during power off	
LED indicators	Power on and hard disk heater	
Keyboards		
Keyboard options	83-key tactile keyboard • Cableless and other keyboards available	
Cables		
Main to screen	Range of cables up to 15 metres for all signals including PanelLink™ from main unit to touchscreen	
Power	2 metre power lead with connector	
Operating systems	Windows® XP, Windows® 98, Windows NT® & Windows® 2000	
Support utilities	Software control of brightness • On-screen task switch • Low battery indication options	
Power		
Source	External 12V from vehicle battery • Input range 7.5V to 18V • 24V option available	
Consumption	2.0A typical at 13.6V under Windows® 98 2.3A typical at 13.6V under Windows NT®	
Temperature range		
Operating	-10°C to +55°C	
Storage	-20°C to +70°C	
Humidity	0 to 95% RH non-condensing	
Shock & vibration		
Random vibration	2-200Hz bandwidth 1.04 grms	
Shock	20G 11ms half sine • 45G 3ms half sine	
Size & weight		
M-PC	250 x 190 x 105mm • Weight approximately 1.9Kg, varies with specification	
M-PC/E	274 x 190 x 107mm • Weight approximately 2.15Kg, varies with specification	
Certification		
AES	AES5 (formerly VIDG5) issue 7 Automotive and Equipment Section, UK Home Office	
eMark	Approval No. e11*72/245*95/54*0361*02	
PNC	Approved for use with the Interim Mobile Data Network (IMDN) Service	
CE Mark	EMC Class B	
Warranty	12 months return to base	



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