

M-PC3

HIGH PERFORMANCE VEHICLE COMPUTER



ANPR
Digital Video Recording
Database Access
Incident Reporting
Computer Aided Dispatch
GIS/Mapping

Class leading performance

Intel® Core 2 Duo 2.53 GHz CPU
High performance chipset and graphics
Up to 4Gbytes of DDR3 memory

High Performance Wireless networks

1 or 2 3G, HSDPA, UMTS, GPRS
WiFi - WLAN
AM/FM Radio with RDS support

Greater connectivity

4 x Serial
2 x USB 2.0
2 x 1Gbit Ethernet

The ideal ANPR platform

Camera interfaces:
1 x MPEG
3 x video input channels
2 x 1Gbit Ethernet
On Screen Display: Time, GPS position and own vehicle speed
Integrated Digital Video Recorder

Navigation and mapping

Integral GPS with remote antenna

Easy upgrade

Unit footprint is compatible with M-PC2

The M-PC3 is a full Windows-based vehicle computer that can support a wide range of applications and multiple technologies.

The system features the Intel® Core 2 Duo processor, offering class leading performance and low power consumption.

High brightness TFT touchscreens are available in a range of sizes to fit all vehicle types. The M-PC3 computer is used for a variety of applications including ANPR, digital video recording, database access, computer aided dispatch, incident reporting and GIS/Mapping.

Using its wireless connectivity the M-PC3 places real-time information in the hands of the field-based worker, where and when they need it. The system can be used over any network including TETRA Airwave, 3G and GPRS.

Whilst the M-PC3 offers full PC functionality it has a wealth of features crucial to reliable operation in the vehicle: managing its temperature, shock, vibration and voltages.

Despite its wealth of computing power the unit only requires a small footprint in the vehicle and power consumption is minimal thanks to its low power technology.



MODELS

M-PC3-600

TBA

SPECIFICATION



Operating System	Windows® XP
Touchscreen	High brightness TFT colour touchscreens: 8.4, 10.4, 12.1 inches • Other sizes available On/off switch (configurable) controls power and monitors vehicle battery with controlled Windows® shutdown
Processor	Intel® Core 2 Duo 2.53GHz
Memory	DDR3 1GB, 2GB or 4GB
Video controller	Generation 3.5 Intel® Integrated Graphics Engine, and the Intel® Graphics Media Accelerator 950
Primary screen output	A single connector carrying touchscreen interface, power and panel data
Secondary screen output	DVI output for duplicate or independent video display
USB	2 x USB 2.0 ports. Expansion using external 4 USB hub
Radio system	Integrated AM/FM radio with RDS support for Traffic Information
Expansion - Internal	3 x Mini PCI Express sites available if not used for 3G and WiFi
Expansion - External	PCI Express expansion box
WiFi	Interoperable with 802.11b and 802.11g compliant devices
Ethernet	2 x 10/100/1Gbits
3G/GPRS	1 or 2 x internal HSDPA/3G/UMTS/EDGE/ GPRS/GSM modules with remote antenna
GPS	GPS module with connection to remote antenna
Camera input	Up to 4 independent Composite inputs (PAL or NTSC)
MPEG	1 x dedicated input channel supporting the iDVR solution
OSD	On Screen Display of Time, GPS position and own vehicle speed
Digital I/O	Optically isolated 8 inputs and 8 outputs
Analogue I/O	4 x inputs: 3 channels 0-16V, 1 channel 0-28V
Serial	4 x RS232 channels
Hard disk	80GB, Shock and vibration mounted with temperature management
Sound	Intel® HDA with Microphone, Line In, Speaker and Line Out
Power	Supporting 12V and 24V vehicles
Consumption	TBA
Dimensions	250 x 192 x 109mm (approximately)
Weight	TBA
Temperature range	-20°C to 55°C operation -20°C to 70°C storage 0 to 95% RH non-condensing
Shock & vibration	2-200Hz bandwidth, 1.04grms 20g 11ms half sine 45g 3ms half sine
Certification	Designed to meet : AES5 Issue 10 e/E mark
Warranty	12 months return to base. Extended warranties available

This is a preliminary specification only and hence is subject to change without notice

SERVICE

Customer Service	Friendly, helpful service for product ordering and repair returns
Technical Support	Comprehensive pre- and post-sale technical support for full life of the product
Warranty	12 month warranty, extended warranties and factory repair/replacement programmes
Long Term Supply	Complete support for full life of the product
Quality Management	Microbus operates a quality management system complying with ISO 9001:2000
Training	Comprehensive product training programmes for customers



Microbus Ltd. Treadaway Hill, Loudwater,
High Wycombe, Buckinghamshire, HP10 9QL, UK

T +44 (0)1628 537 333
F +44 (0)1628 537 334
sales@microbus.com
www.microbus.com

