

# JLT12042 Mobile computer



## Rugged Computers for extreme conditions.

JLT Mobile Computers develops and produces rugged fixed-mount vehicle computers and handheld rugged Tablet PC's. They are used for mobile computing applications in the most extreme environments.

The rugged mobile computers offered by JLT are both designed and manufactured to withstand extreme temperature, moisture and shock conditions. They are built to meet and exceed stringent testing requirements, and we have the results to prove it.

JLT Mobile Computers is the ideal hardware partner in warehouse, construction, military, marine, mining and drilling, agriculture, forestry, public safety, and other industrial or logistical markets.

The freedom of choice; JLT offers a wide range of sizes and options. With our four base models, a 8", 10", 12" and 15" screen rugged PC's there is always a size that fits your needs. On top of that there are many options like; processor speeds up to 1.66 GHz, display with touchscreens up to 1000 NIT, IP65, different boot devices and internal memory.



# JLT12042 Mobile computer

**JLT12042** is the newest generation of computers that are by far the best for any in- or on-vehicle use. They are built to withstand rides over the roughest terrains under extreme conditions. With features like custom built waterproof IP65 housing and a 1000 NIT daylight viewable screen and optional CAN bus interface, this rugged and ergonomically designed all-in-one computer will do the job problem free for years.



## TECHNICAL SPECIFICATIONS

### PROCESSOR

Intel Celeron M 1.0 GHz  
Intel Celeron M 1.5 GHz  
Intel Pentium M 1.4 GHz  
Intel Core Duo 1.66 GHz

### RAM MEMORY

SODIMM 512 MB  
SODIMM 1024 MB  
SODIMM 2048 MB (Core Duo only)

### DISPLAY

12.1" diagonal  
SVGA (800x600 pixels) or XGA (1024x768 pixels)  
Color Active Matrix TFT 256K colors  
120 degree viewing angle, 0-100 % dimmable

### LUMINANCE

420 NIT  
1000 NIT, Daylight viewable

### USER INTERFACE

High Resolution resistive touch screen (optional)  
Rugged DB9 Keyboard port  
On/Off switch and manual dimmer control  
Speaker (optional)

### SOUND / GRAPHICS

AC97 and Soundblaster Pro compatible  
Graphics Up to 32 MB (uses RAM-memory)

### STORAGE

Hard Drive 60 GB 2.5" ATA/IDE Automotive  
Compact Flash 2 GB to 16 GB  
Solid State Flash 16 GB or 32 GB

### INTERFACES

CARDBUS PCMCIA 32-bit, 2 type II or 1 type III  
2 Serial ports RS 232C, COM 1-2, up to 115 Kbit/s  
2 USB 2.0  
1 FireWire  
1 Ethernet 10/100-Tp, RJ45  
1 Keyboard port DB9 (PS/2 adaptable)  
Buzzer, Mic, CD in and Line out Stereo  
2 extra serial ports RS 232C (optional)  
External VGA port (optional)  
CAN bus (optional)  
Bluetooth 2.0 + EDR, Class 1 (optional)

### POWER SUPPLY

9-36 VDC  
5 W standby, 35 W operating and max 55 W

### RF OPTIONS

Cardbus, PCMCIA compatible (radio independent)  
WLAN, GSM, GPRS, UMTS

### OPERATING SYSTEMS

Windows XP Embedded  
Windows Embedded  
Windows XP Pro

### PHYSICAL CHARACTERISTICS

Dimensions: 305mm (w) x 240mm (h) x 61mm (d)  
Weight: 3.7 kg  
Enclosure: Aluminum, powder coated

### ENVIRONMENT

Operating Temperature: -30 C to 50 C  
Storage Temperature -30 C to 75 C  
Jet of water: IP-65  
Humidity: 10 - 95% RH, non-condensing  
Vibration: 5 - 500 Hz/4.5 g RMS 3 hours XYZ (non-rotating disk)  
Shock: 30 g for 11 ms (non-rotating disk)

### REGULATORY APPROVALS

Din 40050 Part 9 IEC 529  
Safety: UL: UL94, Class VO  
FCC: Part 15, Subpart B, Class B  
International Safety: CE  
Electrical: ISO7632-1, reverse polarity, dual battery  
EMC Susceptibility: ISO7637-2  
EN61000-6-2  
EMC Emissions: EN55022

### ACCESSORIES

Mounting solutions Mini-keyboards  
AC/DC adaptors Rugged keyboards  
Industrial DC/DC Virtual on-screen keyboard  
Cables and adaptors Radios and GPS  
Antennas, domes



**RUGGEDMOBILE**  
TOUGH TECHNOLOGY  
FOR TOUGH ENVIRONMENTS

RUGGED MOBILE Systems Ltd.  
Sandbach Enterprise Centre  
Wesley Avenue  
Sandbach  
CW11 1DG

0845 652 0816  
sales@rm-systems.co.uk  
www.rm-systems.co.uk