



All-in-One PC

Uses less energy than a 60W light bulb!

Akhter LoCO₂G31™



Energy Star 4.0 Qualified PC



Energy Consumption
55 watts
Qualified under Energy Star 4.0

- Combined Computer, DVD Writer, 19 inch Display & Stereo Speakers
- Consumes less than a third of the power of an older style PC
- Energy savings typically £100 to £200 each year per PC
- Save up to £900 over 4 years cutting 5 tonnes of CO₂
- Save up to 75% on power costs
- 19" LCD panel SXGA – 1280 x 1024 pixels
- VESA mountable or own stand
- Hard Glass Panel – rated at 8H hardness
- Energy Star 4.0 qualified - average consumption 55W
- Sleep Mode at night consumes just 3W
- Thin profile – depth is just 85mm
- Full 160° viewing for comfortable use
- HDMI external port – Supports HD video
- Optional Touch Panel (add £200) - Optional Wi-Fi (add £10)
- Future-ready for the new generation of ultra low power Intel® processors (support for both 65nm and 45nm)



Pricing effective from:
14 Jan 2009



Akhter LoCO₂G31™ All-in-One

All-in performance and functionality

In spite of its neat form factor, the Akhter LoCO₂G31 All-in-One PC brings uncompromised computing capability, as well as offering major advantages over more conventional PC systems.

The LoCO₂G31 has the capability to handle the next generation of Intel® processors and can incorporate Wi-Fi and Touch screen options. The system is fully multimedia capable with built-in speakers, plus HDMI output to high definition TV and other formats. A full 250GB hard disk storage is included as standard.

Tidy computer workstations - smarter working

With the LoCO₂G31, a Computer, Audio and DVD are integrated as a single unit including a 19 inch LCD display. The combination brings a practical answer to the complexity of today's computing, by helping room planners to create attractive and uncluttered workspace facilities with inherently improved cable management.

By eliminating the footprint of the standard PC system, or the need for under desk storage, the LoCO₂G31 contributes to a comfortable space saving design. The combined unit is based around a 19 inch LCD display panel, and is only 85mm deep. That is just a fraction thicker than an ordinary 19 inch flat screen display.

With fewer safety risks plus security

One advantage of the combined form is that fewer external cables are involved, which not only keeps the visual appearance of a room tidy, it creates a safer working environment for all.

Permanently connected external ports are located on the underside of the unit, designed to make them less accessible and minimising any scope for user interference or accidental dislodging. A built-in Kensington Lock provides security against theft.

Unique VESA mount and stand

Akhter's LoCO₂G31 provides a choice to locate the All-in One unit in two different ways. The convenient desktop stand enables the All-in-One to be relocated easily from day to day. The VESA compliant mounting system provides the flexibility to locate the PC off the desk. With the VESA mount the LoCO₂G31 can be fixed to a wall, ceiling or secured to the back of a desk. The benefit of this design feature is that the work surface can be kept clearer, and the VESA connection reduces the volume space requirement considerably.

With the VESA mounting system the All-in-One unit can also be conveniently sited in more unusual situations, where computer screens are used for reception messaging, shop window LCD display signs, or public communication video clips, without the problems of trailing leads or cumbersome separate system units.

Portable

Unlike conventional multi-part Computer/Monitor/Audio systems that are awkward to move around, the LoCO₂G31 is conveniently portable. For the LoCO₂G31 with a wireless option built-in, just unplug from the power cord and relocate the All-in-One workstation, plug-in and go. Groups of LoCO₂G31s can be relocated in minutes without any special tools, or IT support staff being involved.

High quality display and video graphics

There is no compromise with the built in LCD display with its full-sized 19 inch screen displaying SXGA (1280 x 1024 pixels) resolution. The display screen is comfortable to use from almost any position with its 160° viewing capability. Powerful video handling is assured via the Intel® GMA 3100 Graphics Media Accelerator. The LoCO₂G31 also supports external video output for high definition TV standard HDMI and other formats.

Eco-friendly – Low power consumption

Organisations are increasingly aiming to reduce their carbon footprint and save on energy bills. Computers are a major factor in this due to their continuous operation. Akhter's Eco friendly – LoCO₂G31 is an energy-efficient design approach, optimising performance while keeping power consumption to a minimum.

Typically a Legacy PC system with CRT monitor can consume up to 300 Watts of power. The Akhter All-in-One's low energy design saves most of this and more, with a power demand that is close to that of a light bulb. Unlike lightbulbs, computers tend to be powered up for the whole of the working day, all year round, so the potential energy saving is significant, typically £100 - £200 per year, but can be as much as £225 per year.

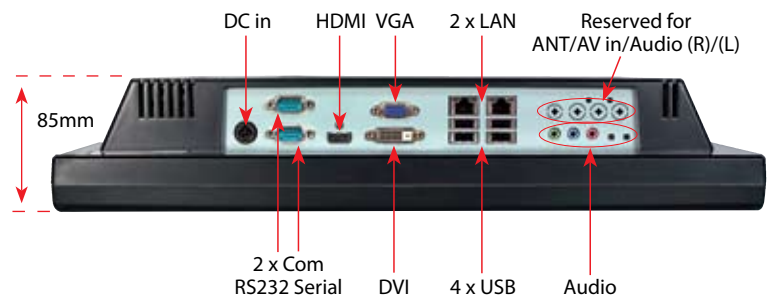
With these substantial power savings, providing up to 75% energy savings, organisations can cut their Carbon footprint and prove their green policies by employing LoCO₂G31 All-in-One as a preferred IT choice.

Unique Hard Glass protection

In everyday environments LCD displays have a typical lifetime of 3 to 5 years. Akhter appreciate client concerns that minor vandalism or accidental screen damage could tarnish the whole unit. In response to such concerns Akhter has incorporated Hard Glass as standard in the All-in-One. This minimizes any risk of damage to screen. The hard glass is rated at 8H hardness which is capable of withstanding tough working environments.

Future readiness - Akhter All-in-One

The LoCO₂G31 All-in One support Intel Dual Core Processors. It is even ready for future upgrading to the next generation of power saving processors. Future-readiness is assured with the capability to accommodate the Intel® 45nm Hi-k metal gate silicon technology. These processors will further enhance the overall performance and take low energy performance computing to a new level.



Eco-friendly computing - High

Akhter's long-term commitment to energy saving: Eco-friendly computing - High Performance - Lower energy bills

55 watts energy consumption including PC & LCD screen as qualified under Energy Star 4.0 test



Akhter LoCO₂G31™ All-in-One with 19" Monitor – Price List

Intel Celeron Dual Conroe 65nm	Intel Pentium PDC Dual Core Wolfdale 45nm	Intel Pentium PDC Dual Core Wolfdale 45nm	Intel Pentium PDC Dual Core Wolfdale 45nm	Intel Core2Duo Dual Core Wolfdale 45nm	Intel Core2Duo Dual Core Wolfdale 45nm
E1500	E5200	E5300	E5400	E7400	E8400
512 KB Cache 800 FSB 2.2 GHz	2 MB Cache 800 FSB 2.50 GHz	2 MB Cache 800 FSB 2.60 GHz	2 MB Cache 800 FSB 2.70 GHz	3 MB Cache 1066 FSB 2.80 GHz	6 MB Cache 1333 FSB 3.0 GHz
£599	£629	£649	£669	£699	£739
Performance 80	Performance 128	Performance 132	Performance 135	Performance 148	Performance 170

Prices Include – All In One System with Integrated 19" Monitor + Stand + 250 GB Hard Drive + DVD Writer + 2 GB RAM + USB Keyboard + USB Mouse + 1 Year Return to Base Warranty + Windows XP Home or Vista Basic.

Upgrade to XP Professional or Vista Business for £45 – All Prices Exclude VAT

Upgrade Warranty from RTB – to On Site Next Business Day – 1 Year £20 – 2 Years £40 – 3 Years £65

Performance - Lower energy bills

LoCO₂G31™ All-in-One

Technical Specifications

Performance Features

The Akhter LoCO₂G31 All-in-One is engineered for performance and space economy. The neat slim-line profile approach helps to create a modern uncluttered work environment, which is safer, and more spacious, yet there is no compromise on performance or capability. The All-in-One computer is based on Intel's G31 Express Chipset, bringing flexibility and scalability for essential computing performance and there is a choice of processors, plus an upgrade path accommodating future processors.

Features of Intel® G31 Chip Set

The PCI Express 1.1 provides 8 GB/s bandwidth for platform graphics.

Intel® Fast Memory Access

Updated Graphics Memory Controller Hub (GMCH) backbone architecture that improves system performance by optimizing the use of available memory bandwidth and reducing the latency of the memory accesses.

Dual-Channel DDR2 Memory Support

Delivers up to 12.8GB/s (DDR2 800 dual 6.4GB/s) of bandwidth and 4GB memory addressability for faster system responsiveness and support of 64-bit computing.

Intel® Flex Memory Technology

Facilitates easier upgrades by allowing different memory sizes to be populated and remain in dual-channel mode.

Intel® Graphics Media Accelerator 3100

3D enhancements enable greater flexibility and scalability and improved realism with support for Microsoft DirectX™ 9.0c Shader Model 2.0, OpenGL™ 1.4. Intel® Graphics also support the highest levels of the Windows Vista™ Aero experience.

Intel® High Definition Audio

Integrated audio support enables premium digital surround sound and delivers advanced features such as multiple audio streams and jack re-tasking.

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LoCO₂G31™ All-in-One Summary System Specifications

Operating System	Windows® XP Home or Vista Basic included as standard. Upgrade to XP Pro or Vista Business for £45 + VAT.
Processor Options	A wide range of CPU options are available from 2.0 GHz to 3.0 GHz. With options of 1MB, 3MB or 6MB of Cache.
Low Energy Future Ready	Supports current Intel® 65nm Conroe CPUs as well as the next generation Intel® 45nm Wolfdale CPUs
FSB – Front Side Bus	Support for 1333/1066/800/533 MHz
Chipset	Intel® North Bridge – Intel® BearLake - G31 South Bridge ICH7
Memory	Standard – 2GB – 800MHz – DDR2 – SODIMM Optional configurations of 1GB to 4GB
Video	Integrated Intel® Graphic Media Accelerator GMA 3100 for demanding gaming graphics and video performance
Display	19" LCD panel, SXGA 1280 x 1024 160 degree viewing angle 16.7 million colours High Contrast: 800:1 Contrast Ratio Brightness: 300cd/m2 Optional: Touch screen (add £200)
Multimedia	Optional: External USB TV-tuner
Storage	DVD±RW drive (slim type) Hard Disk – SATA 3.5" – 250GB – 7,200rpm as standard Options available from 80GB to 1,000GB
LAN Network Interface	Gigabit Ethernet 10 / 100 / 1000Mb Controller Realtek RTL8111B PCI-E Dual LAN support 2 x 1GB LAN Ports (RJ45)
Wireless LAN	802.11 b/g Wireless LAN – Optional (add £10)
Audio	Intel HD Audio Azalia HDA CODEC, Realtek ALC888 Mic-in x 1 / Line-in x 1 / Line-out x 1 Reserve 4 holes for DVB-T
External Video Output	VGA x 1 DVI x 1 HDMI x 1 Supports High Definition Video output
Keyboard/Pointing Device	USB Keyboard, USB Optical Wheel Mouse 800dpi
Expansion Slots – Internal	1 x Mini-PCI slot 1 x Mini PCI-E slot
I/O Ports	USB 2.0 – x4 – Mounted under the unit USB 2.0 – x2 – Side Mounted 2 x RS232 Serial Com Port Optional ANT/ AV in/ Audio (R)/ Audio (L) Audio – Mic-in x 1, Line-in x 1, Line-out x 1
Front Located Ports	2 x Stereo Speakers 2 x LED (HDD and LAN)
Internal I/O	IDE – Slim ODD – (for built-in DVD) S-ATA2 – SATA2 Hard Drive 4 internal USB - supporting optional IR module, Webcam, mini PCI-E slot, touch panel etc
Security	Kensington Lock
Weight / Dimensions	6.7kg – 435 (w) x 415 (h) x 85 (d) – without Stand 10.2kg – 435 (w) x 473 (h) x 257 (d) – with Stand
Fan Connector	Cooler fan for system
Power	Input: AC/100~240V (50/60Hz) 4.0A
Logo	Vista, NSTL Y2K, Energy Star, MDP 2004, RoHS, WEEE
EMI/Safety/Certification	FCC, CE, UL/CUL, CB
Warranty	1-Year Parts and Labour – Return to Base as standard. Optional: 1, 2 or 3 Year – On-Site Next Business Day

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