RTG
Ross Technologies Group, LLC

132BACKPAC monitorPC

A flexible, powerful and practical GUI

The 132 BackPac is a slim compact PC that mounts behind the monitor of your choice. The Computer attaches to the back of any VESA monitors.

Select a large 32" display to create a big impression or a compact 15" display if space is a concern. The 132 gives you the freedom to create the optimal interface.

The CPU core is easily installed by sliding and locking it in place. A security key protects the pc core from unauthorized removal. If the unit requires servicing, it's easily removed. A wide choice of mini-ITX motherboards are available, from low powered atom to i7. All motherboard are less than 65W and revision controlled.

A flexible / open architecture, make it easy to support, integrate and economical. Working with the 132 is no different that working on standard PC hardware. It that easy and it's a smart choice.

Standard features:
○ Wide range of Intel processors; Atom, i3, i5, i7
○ Ethernet, 60/120/250GB SSD, SVGA/HDMI, serial
○ 12VDC direct or 120VAC mini-power brick
○ 4 USB 2.0, 4 USB 3.0, 4-32GB Ram
○ Security lock with easy removal; unlock and slide out PC core

Optional features:
○ Preloaded OS win7
○ 4 additional side USB
○ Desk, wall, and post mounting options
○ Wifi

The 132 provides a complete solution with multiple alternatives to meet challenging application requirements. The 132 offers outstanding features and performance with miniature proportions.

RTG; providing the right technology for the job. Supplying engineered computing platforms, based on knowledge and experience for over 20 years.

At a Glance

Compact Operator Interface
Rugged & Functional Design
Leverage the monitor of your choice
Wired or wireless
12VDC or 120VAC operation
Touch Screen or keyboard
Open & Flexible architecture
Imin-itx platforms
15 inch IR touch option
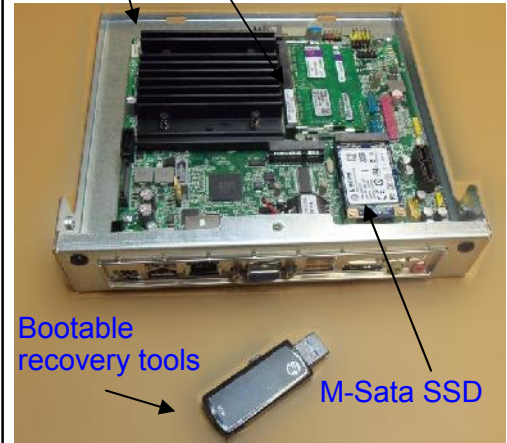Wide CPU choices; Atom, i3, i5, i7

Touch Module with several mounting options. Ready for business

Space
Saving
Design

Fanless Processor

8GB DDR3 Sodimm

Bootable
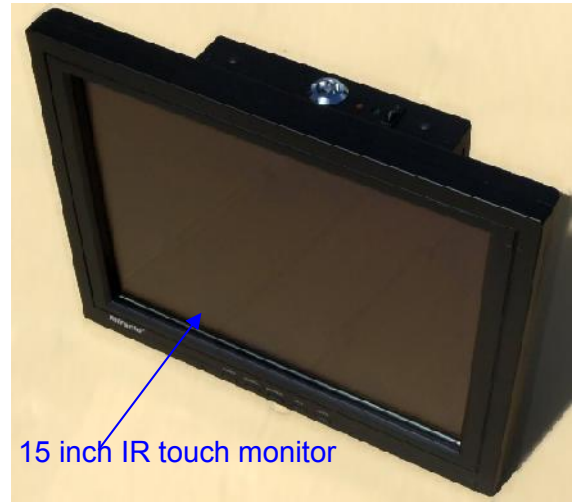recovery tools

M-Sata SSD

Bootable USB Recover Tools

If the OS gets corrupted or you just need to make some changes. We can offer a simple and fast method to get the 132 back online. Working together we can create a bootable image that contains the OS, drivers and application software. Once the "Golden image" is created we can used the bootable USB drive to restore the image in as little as a few minutes.
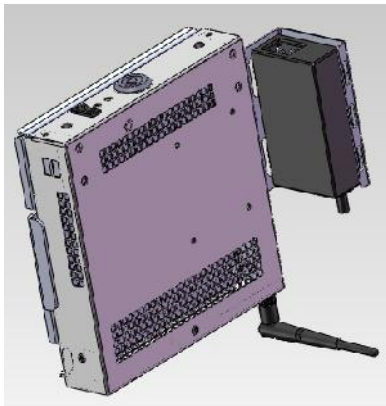
Industrial HMI applications

131 BACKPAC Features & Options

Choosing the right hardware:

15 inch IR touch monitor

WIFI & Peripherals

Model 131 shown with 15" LCD IR Touch Computer
IR Touch, Stereo Audio, Ethernet, VGA, HDMI
Less than 65Watts Power consumption
Fanless and solid state, no moving parts
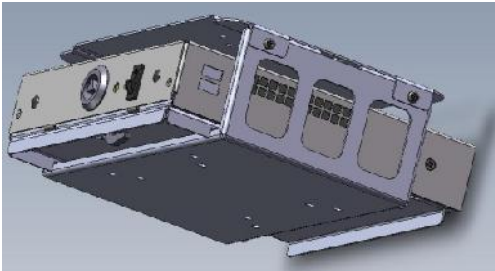DC or AC operation

Keylock for security and easy of installation
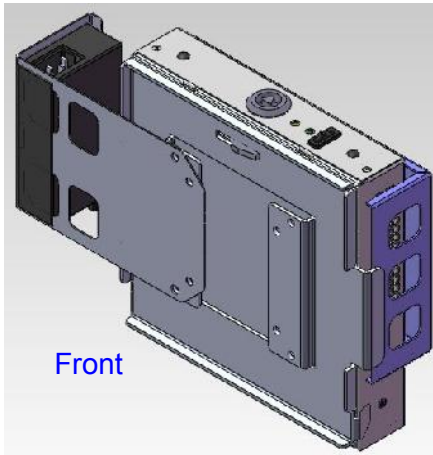
Y-Power Cable

Monitor PC with several mounting options

The compact size of the 132 makes it easy to replace existing hardware. Vesa mounting is provided for compatibility for a variety of arms and brackets.
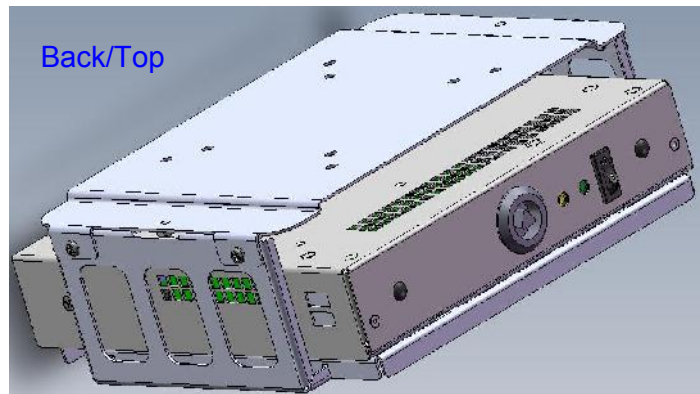
Mounting Options include Desk, Wall, and Post mounting:
Vesa Mounting is provided standard on the front face. A rear cage provides vesa mounting on the back. While the front vesa is used to mount the monitor, the rear vesa can be used to attach a stand for desk mounting or wall using screw anchors. The vesa is detached and mounted to the wall.
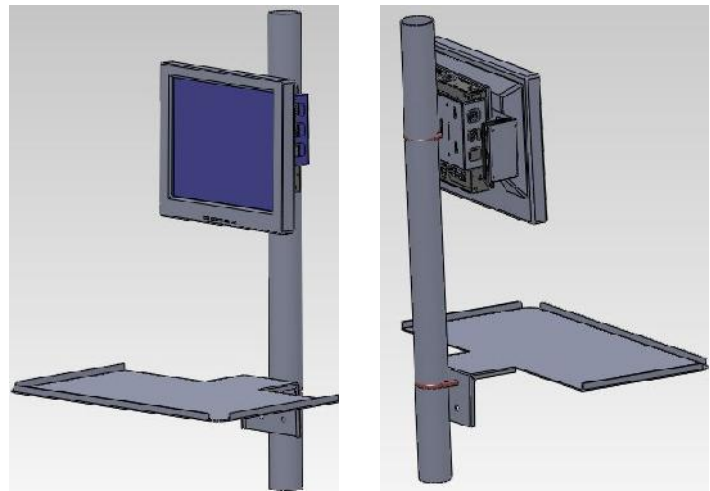
Double Sided Vesa Cage
The optional *double sided vesa cage* provides the ultimate mounting flexiability. The front mount to the back of the monitor, while the rear is free to mount to arms, stands, posts, or to a wall.

Double sided Vesa Cage

Back/Top

Front

Post Mounting

Wall Mounting
Is accomplished by mount the vesa plate to the wall with anchors.

Technical Specifications 132

Housing :	Powder Coated Aluminum, compact : 1.6"x8.16"x7.8", appox 2lbs
Processor :	Intel Atom (6W) dual core fanless or i3 (35W), i5, i7
Chipset :	Intel
RAM :	4-32GB Sodimm 1333Mhz DDR3
Expansion :	1 PCI express (not used), 1-2 mini-pci express
Ports:	1 serial RS232 (internal)
	4 USB (I/O shield) and 4 Optional (2 each side)
	1 GB Ethernet
Video:	up to 2048 x 1280, VGA / HDMI outputs
SSD :	m-sata 32/64/128/256 GB modules, user upgradeable
Display:	User selectable, requires vesa mount and VGA or HDMI
Touch panel :	optional IR
Wifi:	1 mini PCI expansion slot or USB adapter, optional antenna
Options :	wifi, RF keyboard/mouse, Y-AC cable, rear vesa mount
Audio interface :	Stereo interface : Mic. In, Line Out
Power supply :	12VDC or wide range, 110/220 VAC external 12VDC 5A adapter
OS	Windows, Linux

Environmental Specifications (PC core only)

Operational	0 to 45 degrees C (32 to 113 degrees F)
Non-Op Temp	0 to 60 degrees C (32 to 140 degrees F)
Shipping Temp	-40 to 60 degrees C (-40 to 140 degrees F)
Relative Hum	8% to 80% non-condensing

Ross Technologies
4387 36th Street
Orlando, FL 32811
Phone 407-872-0874
Fax   407-872-0791
Email   pq@rossdatasys.com
Website www.rossdatasys.com