

7593 Touch Computer



At a Glance

12.1" Compact Touch Computer
Rugged & Functional Design
Extreme Compact size
Sealed front & I/O plugs
Gasket for water tight operation
Wired or wireless
Battery, 12VDC, or 120VAC operation
Touch Screen or keyboard data entry
Migration path for 7592 customers
Intel compatible LP processors
Full featured touch computer



Improving on the 7592 legacy

The 7593 is a full function computer and an integrated 12.1" LCD panel with touch. The 234x304x57mm size makes it one of the smallest 12.1" operator interfaces available. The compact design makes it easy to embedded for new or existing space constricted applications.

Improving on the 7592 legacy the 7593 provides features for current and future needs.

Standard features:

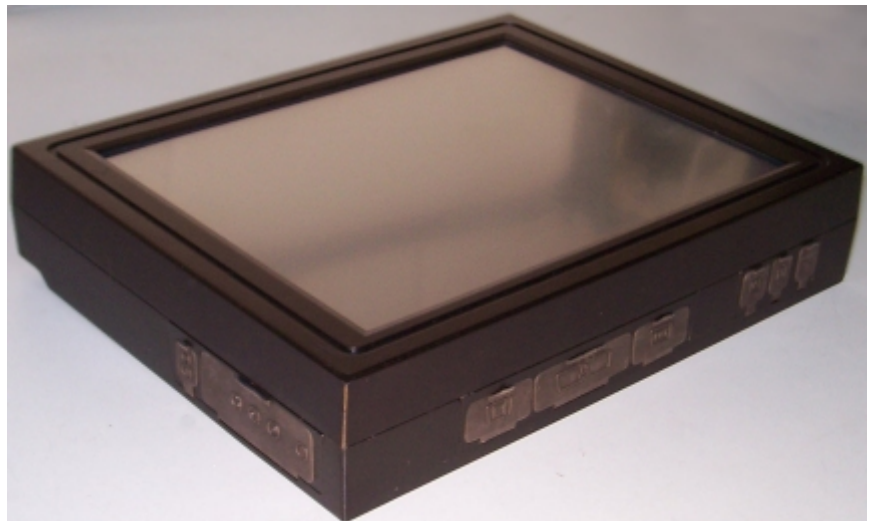
- powerful 300 to 600 MHz, Intel compatible processor
- USB, Ethernet, serial, compact flash, mini pci WIFI, and 8 digital I/O, SVGA output
- 12VDC direct or 120VAC miniature power brick

Optional features:

- Removable CD ROM, FDD, and internal lithium Ion UPS.
- Preloaded OS
- Migration support, to bridge 7592 and other customers
- Gasket O ring for water tight applications

Not just your average interface, the 7593, provides a complete solution with multiple alternatives to meet challenging application requirements. A bright touch panel, dual USB, Ethernet RJ45, serial, parallel, PS2, and SVGA video port include. Need a sealed unit for exposure to liquids? The 7593 can be sealed with the addition of an O-ring gasket and optional mounting provisions. The 7593 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 18 years.



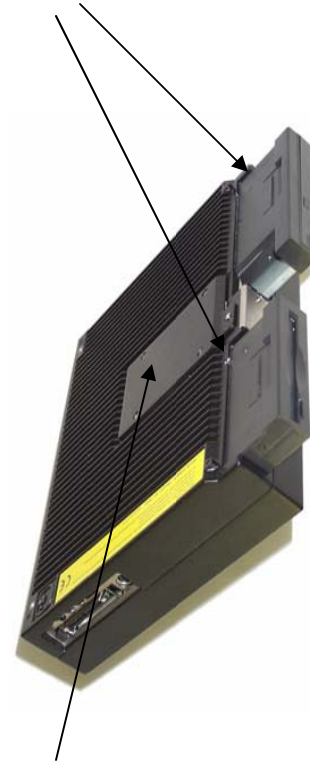
7593 TouchComputer Options

Touch Module with several mounting options. Ready for business



Space saving slim design

Removable CD ROM,
Floppy or Battery back-up



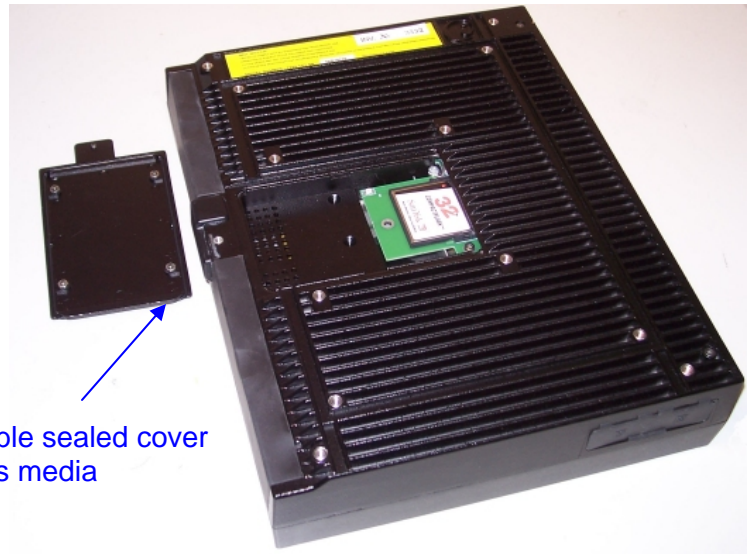
Easy access
to Media

Industrial HMI applications



TouchComputer Features & Options

Choosing the right hardware:



Removable sealed cover
to access media



WIFI & Peripherals

Model 7593-P02 & 03

12" LCD Touch Computer
Low Power Processor
40GB Hard Drive or compact flash, 512M Ram
2 USB, 1 Serial, CF slot, internal mini PCI slot for wireless
Touch, PS2 Keyboard & Mouse ports
Audio, Ethernet, VGA, Digital I/O
>65Watts Power consumption'
Sealed water tight version
DC or AC operation



Sealed Rubber plugs and
gaskets to keep out the water



7593 TouchComputer Integration

Touch Module with several mounting options

Mounting Options

The compact size of the 7593 makes it easy to replace existing hardware. Providing backwards mechanical compatibility to the 7592, the 7593 includes threaded mounting holes to facilitate installation. Vesa mounting is provided to further increase compatibility for a variety of arms and brackets.



At a Glance

- Low power consumption
- All-in-one designs
- Wireless options
- Ultra low >65 Watt computers
- Rugged Industrial Mounting
- Wall or Table mounting options
- Optional Battery operation
- Option Optical drive
- Gasket for water tight environments
- Mounting hardware options



Touch Module

Nema 4 "wash down" for demanding environments
Desktop or wall mounting operation. Designed for tough environments, the enclosure is equipped with mounting provisions, sealed resistive touch, and steel housing. Further protecting and sealing the 7593 from rugged environments

Migration from 7592 to the 7593

Easily migrate from the 7592 to the new 7593.



Ball joint Mounting for freedom of motion



Touch Module

A single touch module contains all the touch & computer components, simplifying up-grades & maintenance.

Preliminary Specifications

Technical Specifications 7593-P02

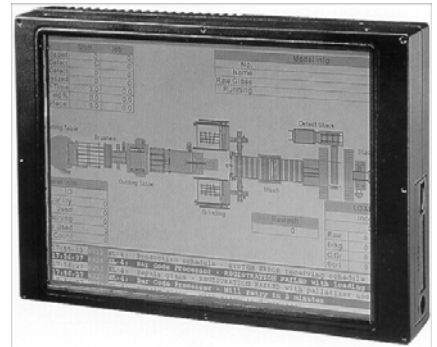
Housing : Cast aluminum, compact : 234x304x57mm
Processor : NS Geode GX1 integrated processor 300Mhz,
Chipset : NS CS5530A
BIOS : AWARD 256KB Flash bios
RAM : 64MB fixed SDRAM integrated on board
Keybrd/mouse : PS/2 type supports keyboard and PS/2 mouse
Ports: 1 serial RS232 or RS 422 (selectable)
1 additional serial port when touch panel is not used
1 Parallel Port supporting SPP,ECP and EPP modes, FDD
2 independent USB interfaces, Open HCI, Rev. 1.0
1 Ethernet 10/100 Mbps interface. Controller RTL8139C
Video: VGA 1024x768 @ 64K colors
SSD : One compact Flash socket
TFT LCD: 12 inch TFT High bright panel (800x600 pixels) (150° /250 cd/m²)
Touch panel : 4 wires resistive
I/O: 4 digital inputs, galvanic isolated 2500 Vrms, working voltage 5Vdc
4 digital outputs, galvanic isolated 2500 Vrms, 12Vdc, 100mA out put current
Wifi: 1 mini PCI expansion slot (for eg wireless LAN)
Options : 3,5" Floppy disk drive, CD-rom, Li-Ion battery sliding IN the system.
Audio interface : AC97 Codec interface : Mic. In, Line In, Line Out
Power supply : 24 VDC/2,3 A ; 110/220 VAC external power adapter option
OS Dos, Windows drivers supported

Technical Specifications 7593-P03

Main Processor Pentium III 600 MHz
Bios Award system bios
Main Memory 1 SODIMM sockets, supporting up to 256 MB, 64 installed
LCD Display TFT High brightness LCD 12.1" 800 x 600 (250° / 250cd/m²)
Slots 2 PCMCIA type II or 1 type III
Drives 3.5" Floppy disk drive, CD-ROM Option sliding in system
Hard Disk One 6GB Hard disk drive
Ports 1 serial, 2 USB, 1 parallel port, VGA, game port
Keyboard/mouse PS/2 type with Y connector
Power supply 56W 100-240V 50-60 Hz external
OS Dos, Windows drivers supported
Touch screen Analog resistive, 75% light transmission, 100 million touches life
Battery 2 swappable batteries can slide into the CD-ROM and DD bays

Environmental Specifications

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



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