J2 580

Integrated Touchscreen Computer

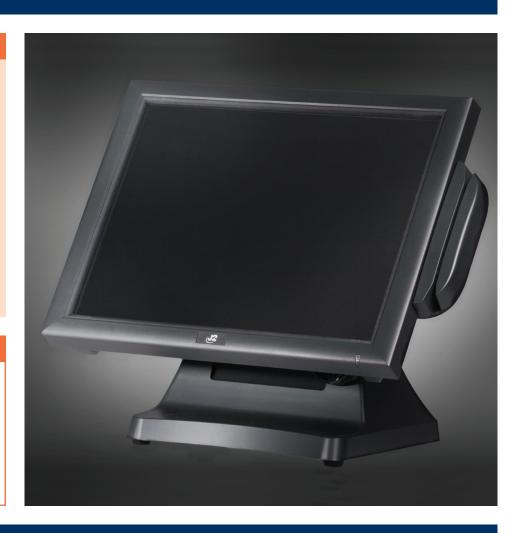**J2**

Key Features

> 15" TFT LCD
> Resistive touchscreen
> Thick or thin client technology
> Hard disk drive
> Compact flash
> 3 track MSR option
> ibutton option
> Fingerprint reader option
> 4 external serial ports
> 5 external USB ports
> Secondary display port
> OPOS drivers

Benefits

> Low cost of ownership
> Fan or Fanless
> Range of processors to suit all applications
> Base, pole or wall mountable using standard VESA mount
> Designed by J2 Retail Systems' research & development team

J2 580 Integrated Touchscreen Computer

The J2 580 takes all of the previous J2 developments to the next level. A feature rich, powerful device with a vast array of processing options, the J2 580 will become the hardware of choice for the retailer who demands the best.

The J2 580 is unique in design. Building on the J2 values and innovative design practices of the past J2 have produced a product that will not only meet the requirements of retailers today, but future proof their investment for many years to come.

There are 3 main variants of this model available. Utilising the latest technology from Intel the 580 has an entry level specification adopting a fanless approach progressing to the high specification Intel processors that accommodate power hungry applications.

Accessibility is the key to machine maintenance or upgradeability. The motherboard can be easily removed and exchanged, upgrades to the memory modules can be easily undertaken as the tray housing the technology slides in and out with the greatest of ease. A complete motherboard upgrade can be carried out in less than 10 seconds! The HDD is easily accessible as it too is housed on a removable tray.

The footprint of the J2 580 is particularly compact making it ideal for the space conscious retailer.

The 580 thick or thin configurations support the standard Microsoft operating systems XP, WePOS, CE.NET and XPe, further demonstrating its versatility. The 580 is equally proficient with the many flavours of Linux.

All J2 products are RoHS and WEEE compliant

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J2

System Board

CPU	INTEL 1 GHz Celeron M, Fan-less
	INTEL 1.5 GHz Celeron M 1MB Cache, 400MHz FSB
	INTEL 1.8 GHz Pentium M 2MB Cache, 533MHz FSB
Chipset	Intel
Graphic Controller	Integrated, Intel
Memory	2 Slots, SO-DIMM, up to 2GB

LCD & Touchscreen

LCD	15" TFT 1024x768, chipset scaling for 800x600
Touch Screen	5 Wire Resistive, 35M touches (580RT)
Brightness	250 cd/m2

I/O Port

External I/O

Serial	4 RD-232, 2 with +5/12Vsupport, 1 with RD422/RS485 option
USB	5 USB 2.0. 4 in cable well one on side of unit
Parallel	1 ECP/ EPP
Cash Drawer	RJ11, 12V or 24V
PS/2	Supported with optional USB-PS/2 adaptor
LAN	10/ 100
Audio	Microphone/Line in jack, Headset/Line out jack
Power	19VDC 4.75A, 100~240V~1.4A 50/60Hz adapter
	in base, locking connector

Internal I/O

USB	2
Serial	For internal resistive touch controller
Speakers	2 x 2 watt stereo speakers

Storage

HDD or CF	Quick change, slide in 2.5" Serial ATA (SATA)
	HDD or Compact Flash Adapter

Expansion

Mini-PCI	One internal Mini PCI slot

Environment

EMI	CE/FCC Class A
Safety	LVD, External adapter UL c/us, CE, TUV, others
Operating Temperature	0~40ºc
Dust & Water Proof	

Options

MSR	3 track ISO, OPOS support
Customer Display	Rear Display, 20 Character x 2 Line VFD,
	9mm character height, OPOS support
Secondary Display	12" LCD 800x600, standard Windows extended
	desktop, Power from 580 (optional)
Biometrics	Digital Persona Finger Print reader, J2 MSR/iButton
	ID emulation software
Dallas Key	Dallas Key iButton reader
Wireless LAN	802.11b/g/n, internal
UPS	Integrated Intelligent Uninterruptible Power Supply, 2 hour back up

Software Support

O/S Support	XP, WEPOS (CF or HDD), XP embedded (CF or HDD),
	Linux, DSL Linux (CF), Windows CE 5.0 (Jan 2008)
OPOS	OPOS driver for MSR, Customer Display, Cash drawers,
	Finger Printer Reader

Dimensions

Width	365mm
Depth	220mm
Height	310mm

Connectivity

VESA Capable

Removable Mainboard

HDD

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