CARiSMA

IT7000V/D

BIRCH®

The grand flagship fosters intriguing Elegance and Incisive Simplicity for POS solutions

True-flat!
Emulation Bezel
Dust/water Spilt Proof

intel
Ivy Bridge

intel
Atom inside™

Refined Elegance Beyond Luxury

CARiSMA is Spanish word, it is the same meaning of " CHARiSMA"

in English , is applied to " a special quality of Leadership that inspires great popular

allegiance also charisma. CARiSMA series products are designed with total solution

and user-friendly in our mind to fulfill your dreams. Sometimes you long for something

that is truly greater good. Then CARiSMA is closer than you think.

 We understand that all traditional POS systems can do POS from normal computer concepts,

but not all systems meet your requirements to work in your exacting

circumstances which include powerful performance, state-of-the-art design

especially for small foot print and some more user-friendly devices.

Birch CARiSMA is a valued as the desirable system for you.

CARiSMA

Whatever you do, do it with your style!
Birch CARiSMA all-in-one system is designed for
the market where are concerned more about space,
high performance, stunning new look that match
with your working environment.

It is a good way for you to zoom in on the
latest advanced in automation of retail, restaurants,
hospitality and eatery for information center Kiosk
at government sector.

Birch is a designer and manufacturer dedicated to
Partner and professional - POS systems for your
applications with her expertise in Auto-ID and POS
market.

Besides CARiSMA series systems, Birch actually
has total solution in all levels reach
systems of 8 and 12.1 and a series of POS
peripherals for your choice.

Join us now and don't miss. Enjoy and Shine on
Birch style. In the design, products and great
value. Welcome to see me further
information, contact us by
sales@mail.birch.com.tw

Excellent Design from the ……

Motherboard

Large RAM capacity

Birch invested M/B factory and have more control over the M/B technologies.
Now we released the newest M/B (MB-7000)which is industrial PC Level standards(IPC) with long life cycle of supply. IT7000 series systems built-in MB-7000 M/B to assure of high-end performance.

IT7000V supports hybrid storage & mSATA SSD

Fast and advanced CPU

DDR3 memory:
IT7000V (Ivy bridge) up to 8GB.
IT7000D (D525) up to 4GB.

Ivy bridge Core i M/B with Intel HM70 chipset

ATOM D525
Intel NM10 Express

Large RAM capacity

Aluminium heat-sink

PCI-e mini slot

Heat flow solution

PCI-e mini card is the advanced slot on Notebooks to support advanced optional function like Wi-Fi.

"*Smart*" silent fan built-in.
Quiet running fan (loudness <27db).

IT7000V model specially designed with 3-level variable fan speed adjusted by CPU temperature sensor.

Flow input/output gates designed based on heating volume tested by testing S/W and built-in aluminum alloy blower fan with 2 x ball bearing.

We Know Your .....

Needs

Birch is one of forerunner in Auto-ID and POS market to offer the state-of-the-art design with small foot print base to meet your applications.
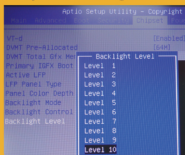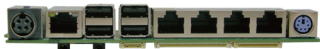
USB

MSR card reader

Adjustable brightness *
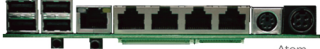
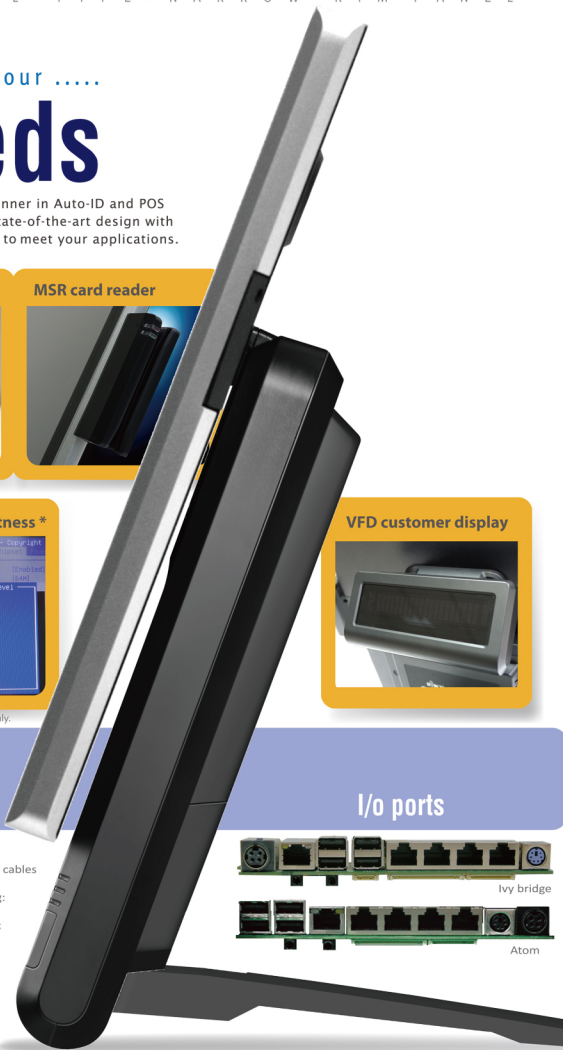* Available on IT7000V model only.

VFD customer display

I/o ports

Buckled type phone jet converter cables for Com ports and supporting 5V / 12V power by jumper setting:

IT7000V all Com ports supported;
IT7000D Com 1 & 2 supported.

Ivy bridge

Atom

Brilliant and Extraordinary .....

Strengths

SO ELETANT, SO GRAND AND SO SLIM

CARiSMA is a state-of-the-art with small foot print design system dedicated to the perfect to meet your working environment. It offers you a fine taste of high-tech and user friendly devices.

HIGH PERFORMANCE AND FLEXIBLE

Ivy Bridge M/B, Intel HM70, one of the highest chipsets in pos market, offering high-end performance; specialized design with low TDP (4.1W only) south bridge and integrated with Pentium 2117U CPU. Atom D525 is available for price-concerned market.

ALUMNIUM MADE TOUCH MONITOR

Sleek and slim aluminum made touch monitor to offer high quality feeling and to meet more rigid demand. Moreover, 15" comes with true flat design bezel.

EASY REPAIRS AND UPGRADES

It is easy for you to repair or upgrade ram and hdd just by opening the rear chassis.

True-flat!
Emulation Bezel

Ordering information

IT7000V   15" or 12" (1024 X 768) CARiSMA All-in-one Touch System
Ivy bridge M/B, Pentium 2117U (2M Cache, 1.80 Ghz),
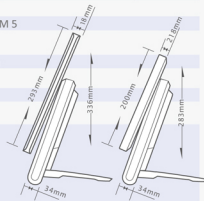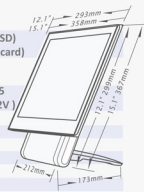6 X USB, 4 X COM, 1 X LPT, 1 X VGA, 1 X Cash Drawer port
10/100/1000 BASE T.

IT7000D   15" or 12" (1024 X 768) CARiSMA All-in-one
Touch System, Dual Core Atom D525 1.8Ghz,
6 X USB, 4 X COM, 1 X LPT, 1 X VGA, 10/100/1000 BASE T.

More Information
· Your Choice For 15" Elo Touch
· Available for 15" LED backlit LCD
· 2.5" SATA SSD or mSATA SSD
· Memory Upgradeable at user's side
  to 8GB (IT7000V) or 4GB (IT7000D)
· Options: MSR, VFD, WiFi

Main board	CPU	Intel Mobile Sandy & Ivy Bridge Intel Pentium 2117U 1.8Ghz		Intel Atom Dual Core D525 1.8 Ghz
	FSB	1333/1600 MHz		667/ 800 Mhz
	Chipset	Intel HM70		Intel ICH8M
	Slot type memory	DDR3 1333 SO-DIMM (1GB TO 8 GB)		DDR3 800 SO-DIMM (1GB TO 4GB)
	Expansion	PCI-e mini slot (selective mSATA and PCI-e signal by jumper)		PCI-e mini card

Display	Tft lcd size	12.1"	15.1" CCFL	15.1" LED
	Maximum resolution	1024 x 768	1024 x 768	1024 x 768
	Brightness	195 cd/m²	250 cd/m²	250 cd/m²
	Contrast ratio	400 : 1	600 : 1	700 : 1
	Response time	16ms	8ms	8ms
	View angles (h/v)	90 / 65	160 / 160	170 / 160
	Touch panel	five wires resistive		
	Tilt angle	60 ~ 90 degree		

Storage Device		2.5" SATA (HDD / SSD) mSATA (SSD)	2.5" SATA (HDD / SSD) Compact Flash (CF card)

I/o ports	USB	6 x USB 2.0	
	Serial	4 x RS-232 by RJ-45 (all support 5V / 12V)	4 x RS-232 by RJ-45 (2x support 5V / 12V)
	Parallel	1 x LPT with adaptor cable	
	PS/2	1 x Keyboard / 1 x Mouse with adapter cable	
	Lan	1 x RJ45, 10/100/1000 base-t	
	Display	1 x VGA with optional adaptor cable	
	Audio	1 x Earphone, 1 x Microphone	
	Cash Drawer	12V /24V, by adaptor cable (RJ12)	N/A
	MSR	standard by USB	
	VFD	COM 1	COM 5

Power adapter	12V 6.67A 80W
Dimension	293(W)X299(L)X173(H)mm 358(W)X367(L)X173(H)mm
Operation temperature	0~40 degree C at 10%~80% humidity
Storage temperature	-20~60 degree C at 10%~80% humidity
Compliance	ROHS, FCC, CE and LVD certificate

Options	MSR card reader: triple tracks MSR card reader
	Wi-Fi function. 15" ELO Touch SSD
	VFD customer display: 2 lines x 20 charcaters

Other Atom related systems PP/ PT/ PR/ PZ series Technical Specifications

Display		10" TFT with touch	15" TFT with touch
Main board	CPU	Intel Atom D525 1.8 Ghz Dual Core or N2800 1.86Ghz Dual Core Fanless	
	I / O ports	4 x RS-232 with RJ-45 connector, 6 x USB 2.0, 1x LPT with adaptor cable, 1 x RJ45 10/100/1000 base-t, 1 x VGA, (1 x cash drawer Port)	
Options		Desk-top stand , Triple tracks MSR reader, VFD customer display, 15" ELO touch, WiFi	

OEM

Private label project or OEM project are welcome.

You Are Kindly Invited To Join Us Either Distribution Or Private Label Or Custom-made Projects.
Small NRE Charges And MOQ Required

Custom-made

Birch offer more flexible policy to support you to have custom-made models to meet your personalized applications with small NRE charge and small MOQ required.