Ardax

BIRCH® **Sole Distributor in Germany**

C'ZAR
all-in-one system

Elegance lies in the excellent details

Fanless(J1900)or Silent Fan(i5)

Absolutely desirable.

Czar system is here---exquisite all-in-one system with several models available for your applications. Performance you can feel, a product you can count on.

	15" Czar Core i5 All-in-one system	**15" Czar J1900 All-in-one ystem (Fan-less)**
	PP8500-15G	PP8100-15G
	PP8500-25G	PP8100-25G
Main Board		
CPU	Support Skylake Intel® Core™ i5-6200U (3M Cache, 2.3GHz, up to 2.8 GHz)	Intel® Celeron® Processor J1900 (2M Cache, 2.0GHz, up to 2.42 GHz)
Chipset	Intel® H110 Chipset	Integrated
System Memory	1x SO-DIMM (204pin) Slot, DDR3L1333 MHz, Max 8GB Support (or DDR3 1866 MHz, Max 8GB) / (DDR3L1600 MHz, Max 8GB) Registered DIMM or ECC DIMM is not supported	1x SO-DIMM (204pin) Slot, DDR3L 1333 MHz, Max 8GB Registered DIMM or ECC DIMM is not supported
LCD Panel		
Panel Size	15"	15"
Maximum Resolution	1024 x 768	1024 x 768
Brightness	300 cd/m²	300 cd/m²
Contrast Ratio	2000 : 1	2000 : 1
Response Time	23 ms	23 ms
View Angles (H/V)	168 / 168	168 / 168
Touch Panel	Projected Capacitive Multi-Touch Panel(10 point) Five Wires Resistive (option)	Five Wires Resistive Projected Capacitive Multi-Touch Panel(10 point) (option)
Storage		
HDD	2.5" SATA interface x 2	2.5" SATA interface x 1
Expansion		
Mini PCI-E Slot	x 2 (1x3G / WiFi, 1x mSATA)	x 2 (Mini PCI-E2 Support mSATA , Mini PCI-E1 Support WIFI and 3G)
Power		
Power Adaptor	Input AC 100-240V 1.6A 50/60Hz, Output DC 12V 5A	Input AC 100-240V 1.6A 50/60Hz, Output DC 12V 5A
I / O		
USB	2 USB2.0 & 4 USB3.0	5 USB2.0 &1 USB3.0
Serial	x 4 (COM1/COM 2 with 0V/5V/12V power selectable) (COM3 with RS-232/RS-485 selectable)	x 3 COM1/COM 2 with 0V/5V/12V & COM 3 with 0V / 5V power selectable
LAN	x 1	x 1
LPT	x 1	-
2nd VGA Output	x 1	x 1
PS/2(keyboard)	-	x 1
Audio	1 Line Out & 1 Microphone In	2 Line Out & , 2 Microphone In
Control/Indicator		
Power Button	x 1	x 1
LED Indicators	Power (RED)	Power (RED)
Optional Peripherals		
Magnetic Card Reader	ISO Track 1/2/3, USB interface	ISO Track 1/2/3, USB interface
VFD customer display	20 x 2 characters, RS-232 interface	20 x 2 characters, RS-232 interface
Second Display	8"/10.4"(800 x 600) and 15"(1024 x768)	8"/10.4"(800 x 600) and 15"(1024 x768)
Second HDD	2.5" SATA interface	-
Others	WiFi, iButton	WiFi, iButton
Dimensions		
15" PP Core i5 system	358(W) X 70.5(L) X 293(H) mm	15" PP Czar system 358(W) X 70.5(L) X 293(H) mm
15" PH Core i5 system	358(W) X231(L) X 308(H) mm (with A4 desktop stand)	15" PH Czar system 358(W) X231(L) X 308(H) mm (with A4 desktop stand)
Environment		
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	- 20°C ~ 60°C (- 4°F ~ 140°F)	- 20°C ~ 60°C (- 4°F ~ 140°F)
Operating Humidity	10% - 80% RH non condensing	10% - 80% RH non condensing
Storage Humidity	10% - 80% RH non condensing	10% - 80% RH non condensing

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Czar, Commitment to performance excellence

Its hallmark is operation excellence and it objective is to provide the best system for your applications.

With deep roots in the total solutions experience, as well as extensive knowledge and understanding of the market's needs, Birch releases the 15" Czar all-in-one system to support your heavy-duty applications in retails, hospitality, Kiosk... markets.

A system for all
Clean with a contemporary touch

Heavy duty for rigid environment.

Aluminum chassis

Wall mounting

Water spilt proof

Dust-proof

Desktop
with A4 stand

By touch

Touch-and-print
with A8V2 trunk

User-friendly and more options

Unparalleled precision. Impossible to capture all in one look.

Inspired by high-speed CPU platform, the Czar all-in-one system design is sophisticated and clean with a contemporary touch by aluminum chassis.
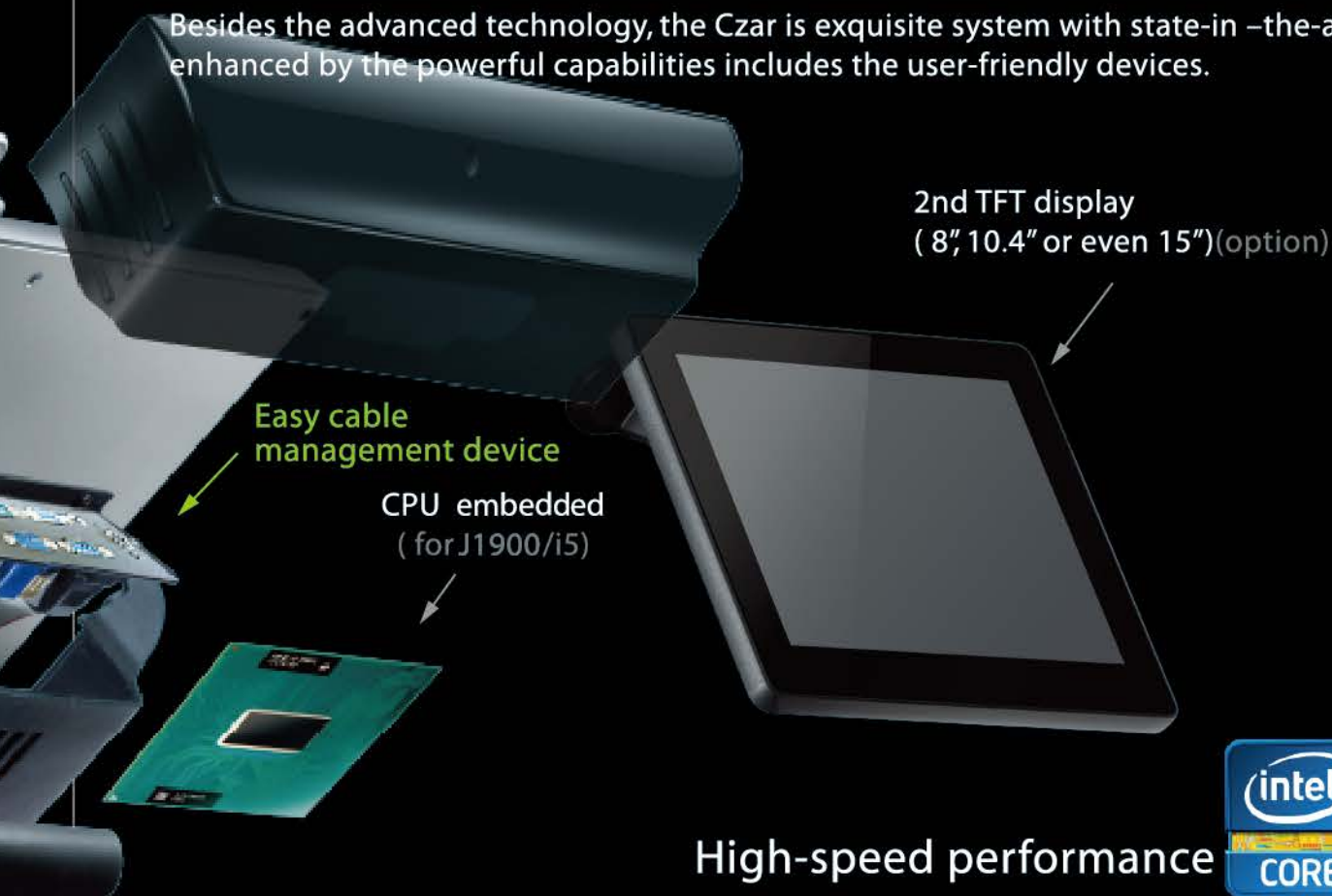
The Main

Driven by the passion for high performance and the pursuit of innovation, Birch releases the Czar all-in-one system which is the right system to grow your business.

Hook-and- pull HDD device

Slide-out mechanism

iButton

Triple tracks magnetic slot reader (option)

VESA 75/100 mount support.

Hand-operated screw

The Details

Besides the advanced technology, the Czar is exquisite system with state-in –the-art design, enhanced by the powerful capabilities includes the user-friendly devices.

2nd TFT display (8", 10.4" or even 15")(option)

Easy cable management device

CPU embedded (for J1900/i5)

High-speed performance

intel inside™
CORE i5

QuadCore J1900 (Fan-less)　　　Core i5 CPU

The Choices

You can have your choices on the stands of Czar system for your working environment and your applications. the Birch unique stands(A4 and A8V2) make your applications easy.

A4 stand for desktop Aluminum material

A8V2 trunk/stand
(with 80mm thermal printer built-in)

- built-in SEKIO printer mechanism (printerhead + Auto-Cutter)
- 200mm/second print speed
- international language support
- OPOS drivers.

70°

408mm 398mm

240mm

70°

308mm

219mm
231mm