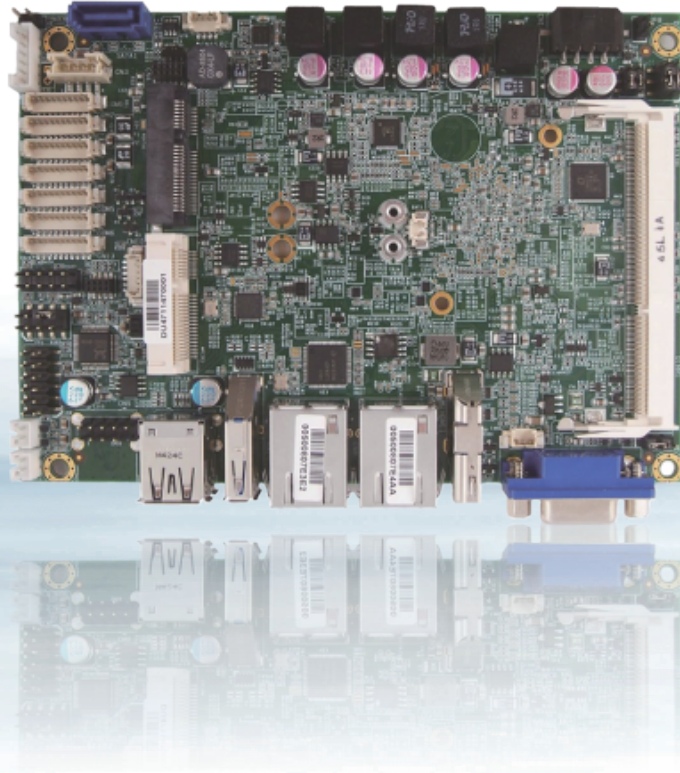


# ECX-BYT

## EXTENDED TEMPERATURE SUPPORT

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### 3.5" SINGLE BOARD COMPUTER WITH INTEL® CELERON® J1900 PROCESSOR

- ▶ 1x LVDS, 1x HDMI, 1x VGA for dual display support
- ▶ 2x GbE LAN for Ethernet
- ▶ 1x USB 3.2 Gen 1, 5x USB 2.0, 2x RS232/422/485, 4x RS232, 8x DIO for peripherals
- ▶ 1x SATA, 1x mSATA for storage
- ▶ 1x mPCIe for expansion

POSSIBILITIES START HERE





► TECHNICAL INFORMATION

<b>SYSTEM</b>	<b>PROCESSOR</b> <b>MEMORY</b>	Intel® Celeron® J1900 (Quad Core, 2M Cache, 2.00 / 2.42 GHz, FCBGA1170, 10 W TDP) 1x DDR3L 1333 SO-DIMM up to 8 GByte
<b>VIDEO</b>	<b>GRAPHICS</b> <b>DISPLAY INTERFACE</b>  <b>MULTIPLE DISPLAY</b>	Intel® HD Graphics 1x LVDS (24-bit, 2-ch, 1920 x 1200 @ 60 Hz) 1x HDMI (on rear, 1920 x 1080 @ 60 Hz) 1x VGA (on rear, 2560 x 1600 @ 60 Hz) Dual
<b>AUDIO</b>	<b>AUDIO CODEC</b> <b>AUDIO INTERFACE</b>	Realtek ALC8885 1x Speaker-out (Stereo, 3 W, by header) 1x Line-in (by header) 1x Line-out (by header) 1x Mic-in (by header)
<b>NETWORK CONNECTION</b>	<b>ETHERNET</b>	2x GbE LAN (RJ45 on rear, 1x Intel® I210-AT, 1x Realtek RTL8111G)
<b>PERIPHERAL CONNECTION</b>	<b>USB</b>  <b>SERIAL PORT</b>  <b>OTHER I/Os</b>	1x USB 3.2 Gen 1 (Type A on rear) 5x USB 2.0 (2x Type A on rear, 3x by header) 2x RS232/422/485 (by header) 4x RS232 (by header) 1x PS/2 Keyboard/Mouse (by header) 8x DIO (by header)
<b>STORAGE &amp; EXPANSION</b>	<b>SATA</b> <b>mSATA</b> <b>mPCIe</b> <b>SIM CARD HOLDER</b>	1x SATA 2.0 1x mSATA (full size) 1x mPCIe (full size) 1x SIM Card Cage (by wafer)
<b>POWER</b>	<b>INPUT VOLTAGE</b> <b>CONNECTOR</b>	DC 12 V 1x4-pin Lockable Wafer
<b>FIRMWARE</b>	<b>BIOS</b> <b>WATCHDOG</b> <b>H/W MONITOR</b> <b>REAL TIME CLOCK</b>	AMI uEFI BIOS w/ 64 Mb SPI Flash Programmable WDT to generate system reset event Voltages, Temperatures SoC integrated RTC
<b>SYSTEM CONTROL &amp; MONITORING</b>	<b>FP HEADER</b>	1x Header Reset button, HDD LED & External Speaker 1x Header for Power button, Power LED & SM bus 1x Header for mPCIe activity LED
<b>COOLING</b>	<b>FAN</b>	1x Wafer for CPU Smart Fan
<b>SOFTWARE</b>	<b>OS SUPPORT</b>	Windows 7, Windows 8, Windows 10, Linux
<b>MECHANICAL</b>	<b>DIMENSION (L x W)</b>	ECX (146 mm x 105 mm / 5.75" x 4.13")
<b>ENVIRONMENTAL</b>	<b>OPERATING TEMPERATURE</b>  <b>STORAGE TEMPERATURE</b>  <b>HUMIDITY</b>	0 °C ~ 60 °C / 32 °F ~ 140 °F (Standard) -20 °C ~ 70 °C / -4 °F ~ 158 °F (Extended) -20 °C ~ 80 °C / -4 °F ~ 176 °F (Standard) -40 °C ~ 85 °C / -40 °F ~ 185 °F (Extended) 0 % ~ 95 %
<b>COMPLIANCE</b>	<b>EMC &amp; SAFETY</b>	CE Class A, FCC Class A

## ▶ ORDERING INFORMATION

ARTICLE	DESCRIPTION
ECX-BYT-J1900	Intel® Celeron® J1900, Operating temperature: 0 °C ~ 60 °C
ECX-BYT-J1900-ET	Intel® Celeron® J1900, Operating temperature: -20 °C ~ 70 °C

### OPTIONAL ACCESSORIES - CABLING

ARTICLE	PART NO.	DESCRIPTION
PS/2 CABLE	OC5020002500010L	Y-cable, 6-pin pitch 2.0 mm wafer connector to KB & MS connector, L = 25 cm
COM PORT CABLE	OC5020000005130L	10-pin pitch = 1.25 mm to DB-9 connector, L = 35 cm
DIO CABLE	OC5020000003360L	D-SUB-9P (Female) to MX51021-10P 1x10P 1.25 pitch, L = 200 mm
USB CABLE (2 PORT)	OC5020000005700L	2.54 mm 2x5P to 2x USB connectors, L = 250 mm
USB CABLE (1 PORT)	OC5020000003220L	1x4P 1.25 pitch 180 degree, L = 200 mm
SATA POWER CABLE	OC5020000004230L	SATA 1x15P Pitch: 1.27mm, L = 460 mm
SATA CABLE	OC5020000004240L	7-pin connector with lock, L = 46 cm
AUDIO CABLE	OC5020000002050L	WL6008H 2x6P 2.54 pitch to EAR phone jack x3 pitch: 3.5 mm, L = 35 cm
DC IN CABLE	OC5020000004220L	2.5 DC Jack w/ 2mm Nut, 0.5 mm washer to H-300F-XX 1x4P 3.0 pitch, L = 30 cm
3G MINI SIM CARD HOLDER KIT	OZHK12003GSM003	W/ SIM card holder x1, 3G SIM card cable x1

## ▶ PRODUCT CONTACT POINT

### KONTRON ASIA INC.

4F, No. 415, Ti-Ding Blvd., Sec. 2,  
 Neihu District, Taipei, Taiwan 114741  
 Tel.: + 886 2 2799 2789  
 Fax: + 886 2 2799 7399  
 SalesAsia@kontron.com  
[www.kontron.com](http://www.kontron.com)