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DESIGN. QUALITY. PURPOSE

INTRODUCING ELEMENT B61X0

DIGITAL SIGNAGE PLAYER



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Element B61X0 – Digital Signage Player

B61X0 Series

B6120 & B6140

Discover the Element B61X0 Series:
A powerhouse Digital Signage Player.
Engineered for advanced graphics and business-class performance, it boasts 2-4 HDMI ports, ideal for single and multi-panel display walls, and perfect for QSR menu boards with 4 monitors.

B6140



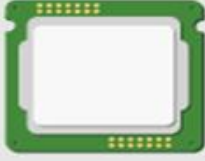
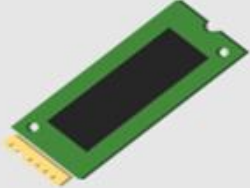









B6120

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Main Features

B6120

 <p>Intel® Elkhart Lake CPU</p>	 <p>M.2 SSD</p>	 <p>4K ULTRA HD</p>
 <p>HDMI HIGH DEFINITION MULTIMEDIA INTERFACE 2.0</p>	 <p>HDMI CEC</p>	 <p>EDID Emulation</p>
 <p>HDBT 300FT Transmission</p>	 <p>Watchdog Timer</p>	 <p>OOB Remote Management</p>
 <p>Fanless</p>	 <p>VESA 75x75 / 100x100</p>	

B6140

 <p>INTEL® TIGER LAKE CPU (CELERON/i5)</p>	 <p>M.2 SSD</p>	 <p>HDMI</p>
 <p>HDBT™ UP TO 300FT TRANSMISSION</p>	 <p>4K ULTRA HD</p>	
 <p>CABLE-LESS design Power Over Ethernet</p>		

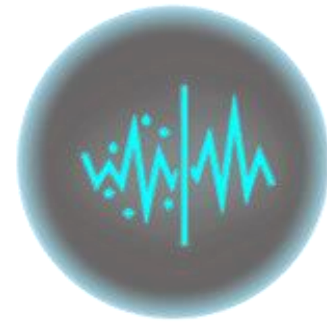
Benefits of HDBaseT Technology

*Used in both B6120 AND B6120



Long-distance Transmission

Use a single Cat 6/6a cable to transmit uncompressed video and audio signals at a distance up to 300ft.



Anti-interference Design

HDBaseT's anti-interference technology makes high-quality video and audio signals free from interference during transmission.



High Quality Media Delivery

Support Full HD, 3D and 4K x 2K, Dolby True HD and DTS HD Master Audio.



POH Power Management (Power over HDBaseT)

Long-distance power delivery via Cat 6/6a cable.

B6140

Supercharged Digital Signage Player



HDMI
Output



HDBaseT Technology

Ultimate Visual Experience

B6140 is designed with 4 HDMI and 4 HDBaseT outputs, and it can support simultaneously up to 4 displays with individual content playback.



HDBT™
ASE

(Long-distance transmission
up to 300ft)

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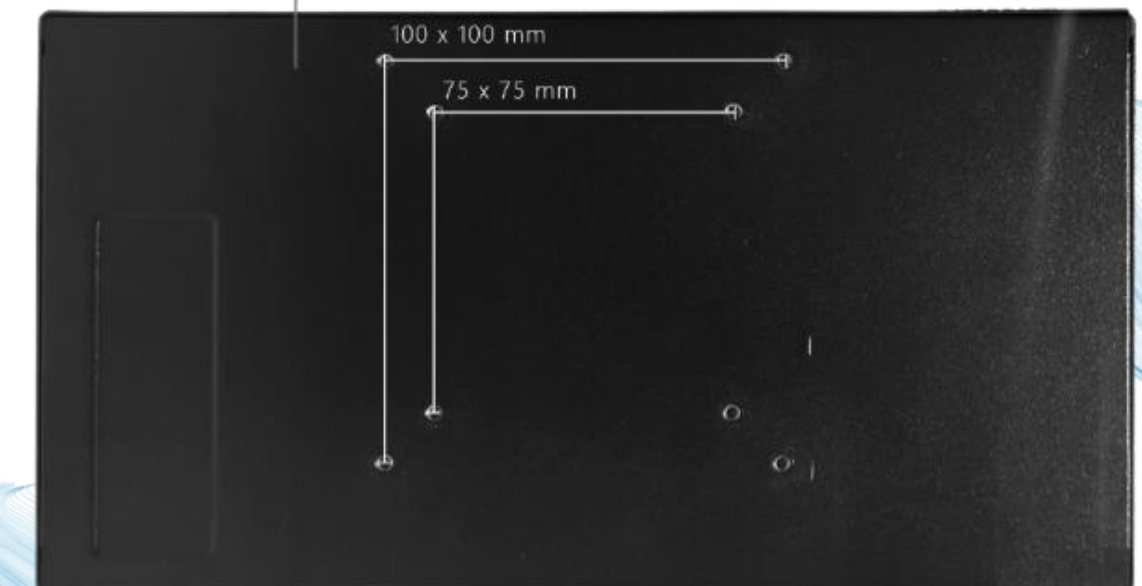
B6140 – Compact Mounting Layout

Fitting your digital signage controllers in 1U server racks as well as VESA standards.

1



2

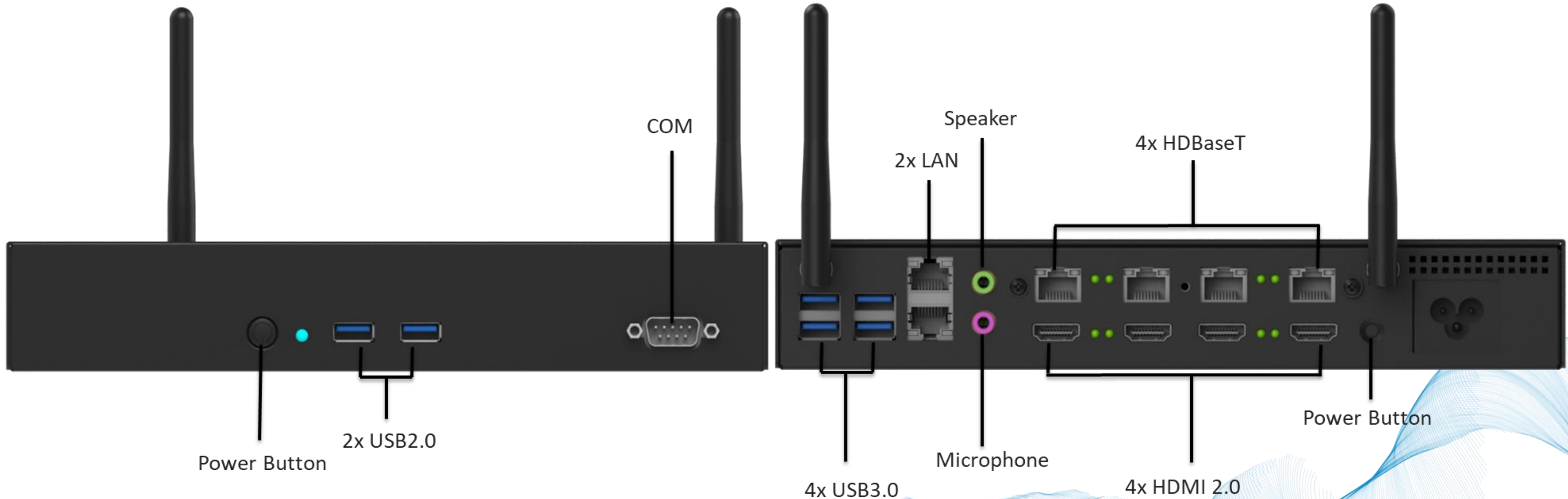


Element Product Update

B6140 I/O PORT

Front

Back



B6120

4K Digital Signage Player



HDMI
Output



B6120 - HDBaseT Technology

HDBaseT technology enables the content delivery over long distance up to 300ft.

Supports up to 3 displays with independent audio output.

- ✔ 3* HDMI
- ✔ 2* HDMI, 1*
- ✔ HDBaseT



B6120 - Built-in HDMI-CEC

Introducing HDMI-CEC Integration for Effortless Control.

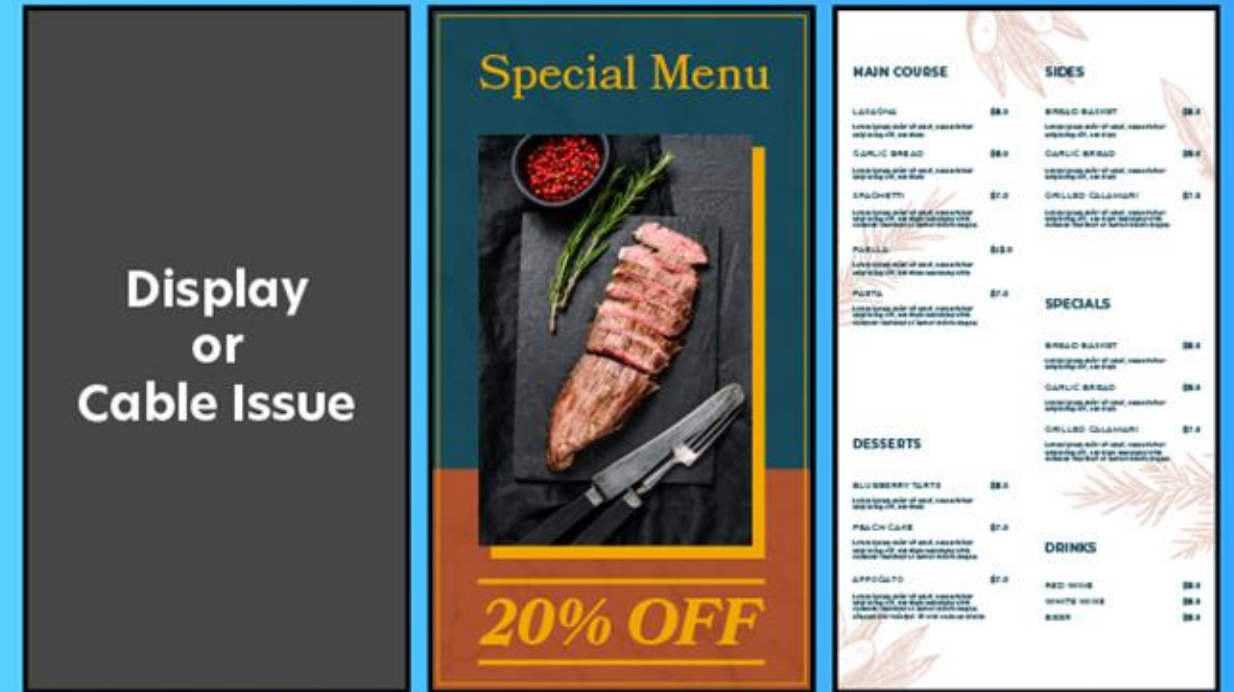
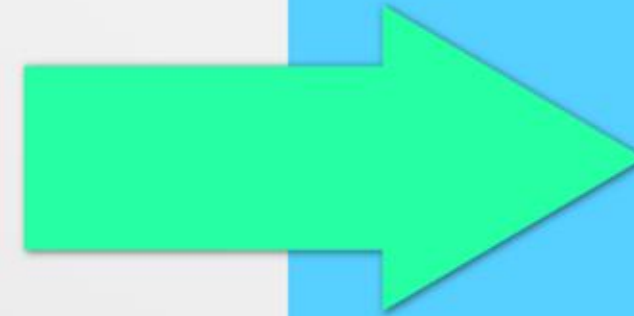
With HDMI-CEC technology, the B6120 digital signage player takes charge of the connected screen via HDMI using CEC commands. Manage critical screen functions like power on/off seamlessly, without any user intervention. All command controls can now be executed effortlessly through the existing HDMI cable.

Simplify Your Installation and Deployment Process.



B6120 - Built-in EDID Emulation

Featured with EDID (extended display identification data) emulation function to prevent the screen convergence issues due to cable disconnections or incorrect settings.



Element Product Update

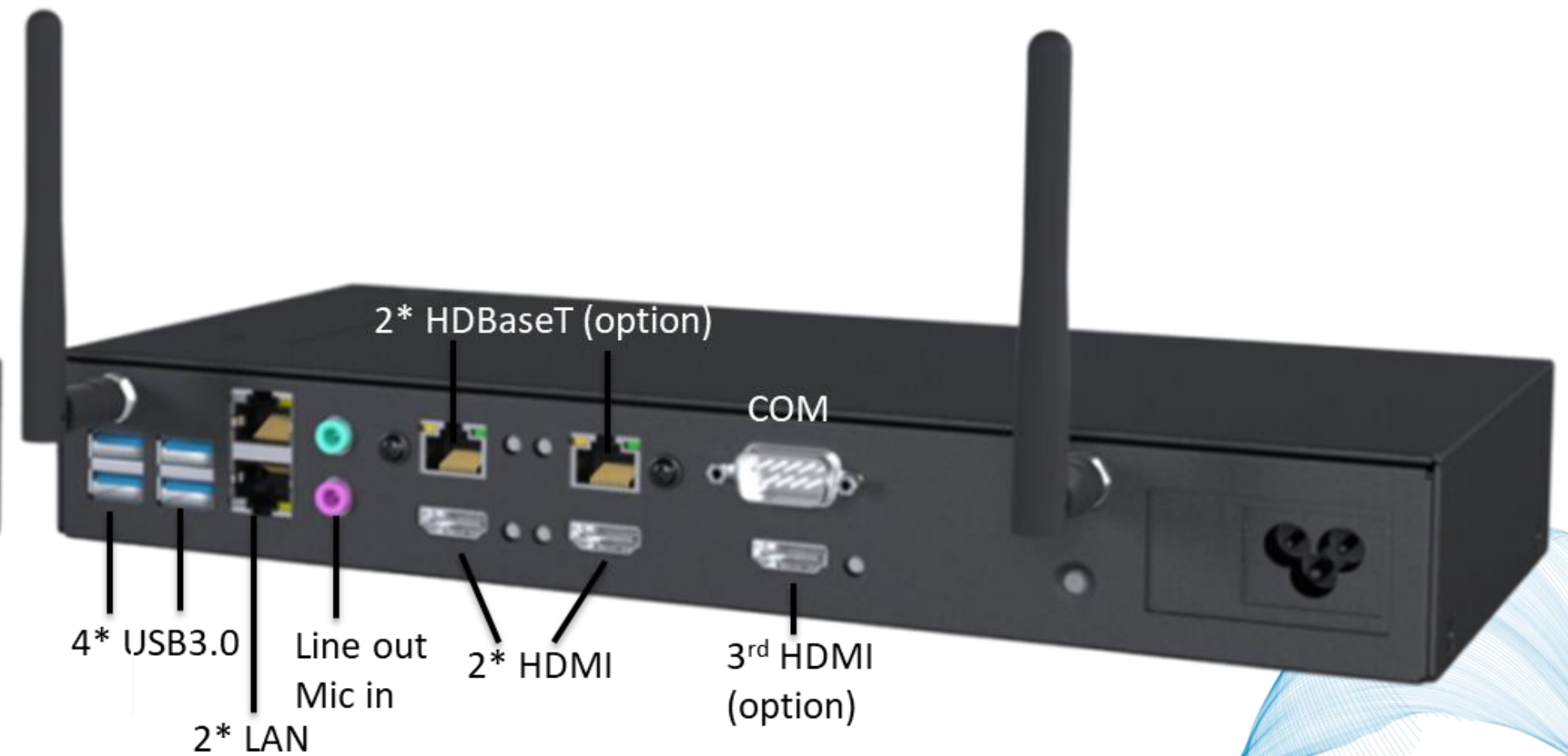
B6120 I/O PORT

Front

Back



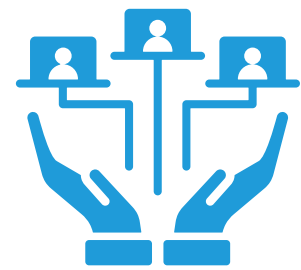
Front



Back

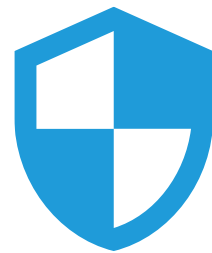
B6120 - Gain Peace of Mind

Out-of-Band (OOB) integration with inefi UEM software enables users to have remote device access and status recovery.



Remote Management

Address issues remotely from anywhere.



Keep Security

Help keep security with remote out-of-band patching and recovery.



Avoid Blue Screen

Minimise downtime with remote updates.

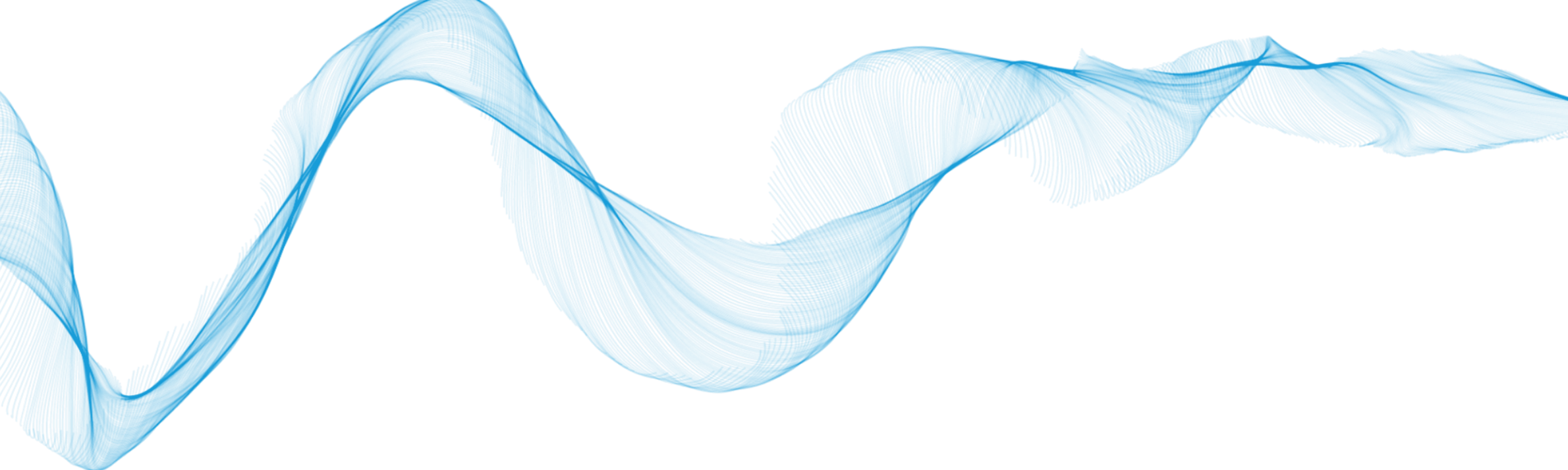


Increase Efficiency

No need for ladders to change signs with remote management.

SPECIFICATIONS

Item	Parameter	B6120	B6140
	Model	B6120	B6140
	Motherboard	F3A	F8AU
System	Processor	Intel® Elkhart Lake J6412	Intel® Tiger Lake 6305E Intel® Tiger Lake i5-1135G7
	Graphic Engine	Intel® 10 th UHD	Intel® New Iris Xe (Gen 12) Gfx Engine
	Memory	4GB DDR4 (max. up to 32GB)	2x DDR4 3200 MHz, up to 32GB
	Storage	128GB M.2 SSD	M.2 SATA SSD 128GB or M.2 NVMe SSD 128~256GB (option)
	OS Supported	Windows 10 IoT Enterprise, Linux	Windows 10 IoT Enterprise, Linux, OpenSUSE
External I/O Ports (Front Side)	Power Button	1	1
	Power LED Indicator	1	1
	COM	-	1
	USB	2x USB2.0 (Type-A)	2x USB2.0 (Type-A)
External I/O Ports (Rear Side)	Power Button	1	1
	USB	4x USB3.0 (Type-A)	4x USB3.0 (Type-A)
	LAN	2x RJ45 Giga LAN 10/100/1000	2x RJ45 Giga LAN 10/100/1000 (1x w/POE 802.3bt, option)
	COM	1	-
	Mic-in	1	1
	Line-out	1	1
	HDMI 2.0	3 (*3 rd HDMI port is optional)	4
	HDBaseT*	2 (optional, HDMI Capability only- 1080p: 70m; 4K: 40m)	4 (option, HDMI Capability only- 1080p: 70m; 4K: 40m)
	LED Indicator	-	4x HDMI LED 4x HDBaseT LED (option)
Internal Function Connector	DC Jack (2-Pin)	-	1
	M.2 Slot	-	1x E-key 2230 for WLAN card 1x M-key 2280 for storage SSD
EDID Emulation	EDID Emulation	Yes (*standard configuration)	-
HDMI-CEC	HDMI-CEC	Yes (*standard configuration)	-
Communication	Wireless LAN	802.11 series wireless LAN card + BT (option)	-
Power	Power Adapter	65W / 19V	65W / 19V
Certificate	EMC & Safety	FCC Class A, CE Mark, LVD	FCC Class A, CE Mark, LVD
Environment	Operating Temperature	0°C ~ 35°C (32°F ~ 95°F)	0°C ~ 35°C (32°F ~ 95°F)
	Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)	-20°C ~ 60°C (-4°F ~ 140°F)
	Humidity	20% ~ 85% RH non-condensing	20% ~ 85% RH non-condensing
Dimensions	Dimensions (W x D x H)	270 x 145 x 40.5 mm (10.6" x 5.7" x 1.6")	275 x 145 x 40.5 mm (10.8" x 5.7" x 1.6")
Mounting	VESA Mount	75 x 75mm, 100 x 100mm	75 x 75, 100 x 100
	Wall Mount Kit		1U server rack (option)



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