



Industrial Computers  
PRODUCT SELECTION GUIDE



**Rockwell  
Automation**



**6300B-BMA\***

**6300B-BMB\***

**6300B-PBC\***

**6300B-PBD\***

**ASEM™ 6300B Box PC**

	6300B-BMA*	6300B-BMB*	6300B-PBC*	6300B-PBD*
<b>Mounting</b>	Book	Book	Wall	Wall
<b>Processor</b>	Intel Atom x7-E3950 1.6GHz (2.0 GHz burst), 4 cores / 4 threads, 2 MB L2 cache, 14nm	Intel Core i3-7100E 2.90 GHz 64 bit, 2 cores / 4 threads, 3 MB smart cache Intel Core i5-7440EQ 2.90 GHz (3.60GHz Turbo) 64 bit, 4 cores / 4 threads, 6 MB smart cache Intel Core i7-7820EQ 3.00 GHz (3.70 GHz Turbo) 64 bit, 4 cores / 8 threads, 8 MB smart cache	Intel Core i3-7100E 2.90 GHz 64 bit, 2 cores / 4 threads, 3 MB smart cache Intel Core i5-7440EQ 2.90 GHz (3.60 GHz Turbo) 64 bit, 4 cores / 4 threads, 6 MB smart cache Intel Core i7-7820EQ 3.00 GHz (3.70GHz Turbo) 64 bit, 4 cores / 8 threads, 8 MB smart cache	Intel Core i3-7101E 3.9 GHz, 2 cores / 4 threads, 3 MB smart cache Intel Core i5-7500 3.4 GHz (3.8 GHz Turbo), 4 cores - 4 threads - 6 MB smart cache Intel Core i7-7700 3.6 GHz (4.2GHz Turbo), 4 cores - 8 threads - 8 MB smart cache
<b>Chipset</b>	-	Intel HM175 PCH (Platform Controller Hub)	Intel HM175 PCH (Platform Controller Hub)	Intel C236 PCH (Platform Controller Hub)
<b>Graphic / Video Controller</b>	Intel HD Graphics 505 integrated in x7-E3950, 500/650 MHz	Intel HD Graphics 630 integrated in Core i3 processor • 350 MHz/950 MHz • DirectX 12 and OpenGL 4.5 support Intel HD Graphics 630 integrated in Core i5, Core i7 processors • 350 MHz / 1.00 GHz • DirectX 12 and OpenGL 4.5 support	Intel HD Graphics 630 integrated in Core i3 processor • 350 MHz / 950 MHz • DirectX 12 and OpenGL 4.5 support	Intel HD Graphics 610 integrated in Celeron G3930TE, 350 / 950 MHz Clock Intel HD Graphics 630 integrated in i3-7101E / i5-7500, 350 / 1.10 GHz Clock Intel HD Graphics 630 integrated in i7-7700 350 / 1.15 GHz Clock
<b>Memory</b>	2 GB or 4 GB or 8 GB (1 x LP-DDR4 soldered)	4 GB (1 x SODIMM DDR4 module) or 8 GB or 16 GB or 32 GB (2 x SODIMM DDR4 modules)	4 GB (1 x SODIMM DDR4 module) or 8 GB or 16 GB or 32 GB (2 x SODIMM DDR4 modules)	4 GB (1 x SODIMM DDR4 module) / 8 GB/16GB/32GB (2 x SODIMM DDR4 modules)
<b>Mass Storage</b>	1 x onboard connector of M.2 size 2242 key B SSD SATA III	1 bootable CFast SATA III slot onboard with external access 1 x onboard connector for direct insertion of mSATA SSD SATA III Onboard connectors for max 2 x SSD/HDD 2.5 in. SATA III with internal installation kit or with front extractable drawers	1 bootable CFast SATA III slot onboard with external access 1 x onboard connector for direct insertion of mSATA SSD SATA III 1 x onboard connector for 2.5 in. SSD/HDD SATA III with internal installation kit	1 x bootable CFast SATA III slot on board with external rear access 1 x onboard connector for direct insertion of M.2 2242 / 2280 SSD key M PCIe4 2 x onboard connector for 2.5 in. SSD/HDD SATA III 1 or 2 x extractable drawers for 2.5 in. units
<b>RAID Controller</b>	-	-	-	Integrated into chipset Intel C236
<b>LAN</b>	2 x RJ45 ports (2 x Intel I210)	4 x LAN 10/100/1000 Mbps top (RJ45 - 3 x Intel I210 + 1 x Intel I219LM)	4 x LAN 10/100/1000 Mbps (RJ45 - 3 x Intel I210 + 1 x Intel I219LM)	4 x LAN 10 / 100 / 1000 Mbps (RJ45 - 3 x Intel I210 + 1 x Intel I219LM)
<b>USB</b>	2 x USB 3.0 (Type-A)	1 x USB 3.0 front (Type-A) 2 x USB 2.0 top (Type-A) + 2 x USB 3.0 top (Type-A)	3 x USB 3.0, rear (Type-A) 2 x USB 2.0, rear (Type-A)	4 x USB 3.0 (Type-A)
<b>Serial</b>	-	1 x RS232 (DB9M)	1 x RS232 (DB9M)	1 x RS232 (DB9M)
<b>Video Output</b>	1 x Display Port V1.2 (no audio)	1 x DVI-D	1 x DVI-D	1 x DVI-D
<b>Expansion Slots</b>	-	2 x PCIe x 4 or 1 x PCI + 1 x PCIe x4 (5 Gb/s), max 10W total	1 x PCI or 1 x PCIe x4 (5 Gb/s)	1 x PCIe x 16 + 1 x PCIe x 4 + 1 x PCIe x 1 2 x PCIe x 8 + 1 x PCIe x 4
<b>Power Supply</b>	24V DC (18...32V DC) isolated	24V DC (18...32V DC) isolated, UPS option (future)	24V DC (18...32V DC) isolated, UPS option (future)	110...230V AC autorange
<b>Operating System</b>	Windows® 10 IoT Enterprise 2019 LTSC, NO OS	Windows 10 IoT Enterprise 2019 LTSC, NO OS	Windows 10 IoT Enterprise 2019 LTSC, NO OS	Windows 10 IoT Enterprise 2019 LTSC, NO OS
<b>Mechanical Construction</b>	Fanless with Heatsink	Fanless with Heatsink	Fanless with Heatsink	Fan Cooled design
<b>Operating Temperature</b>	0...50° C	Without forced ventilation: 0...50° C, 0° C...45° C Core i7	0...50° C	0...50° C
<b>Certifications</b>	CE, cULus LISTED (61010)	CE, cULus LISTED (61010)	CE, cULus LISTED (61010)	CE, cULus LISTED (61010)



	VersaView® 5200 Display Thin Client	VersaView 5200 Non-Display Thin Client				ASEM 6300T Non-DisplayThin Client
<b>External Display Output</b>	Single	Single	Dual	Dual 4K	Multi 4K Display	Single 4K
<b>CPU</b>	Single core Intel Atom E3815	Single core Intel Atom E3815	Single core Intel Atom E3815	Quad core Intel Atom x7-E3950	Quad Core Intel Core i5-7500T	Quad Core Intel Atom x7-E3950
<b>RAM</b>	2 GB	2 GB	1 GB	4 GB	4 GB	4 GB
<b>SSD</b>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Touchscreen</b>	Projected Capacitive Multi-touch	N/A	N/A	N/A	N/A	N/A
<b>Display Size &amp; Resolution</b>	12 in.: 1280x800 15 & 19 in.: 1366x768 22 in.: 1920x1080	N/A	N/A	N/A Provides dual 4K video output with 3840 x 2160 maximum resolution	N/A Provides three or seven 4k video outputs with 3840 x 2160 maximum resolution	N/A Provides single 4K video output with 3840 x 2160 maximum resolution
<b>Thermal Solution</b>	Fanless	Fanless	Fanless	Fanless	Fanless	Fanless
<b>Operating System</b>	ThinManager®	ThinManager®	ThinManager®	ThinManager®	ThinManager®	ThinManager®
<b>Power</b>	24V DC	100...240V AC external adapter included	24V DC	24V DC	24V DC	24V DC
<b>Operating Temperature</b>	0...50 °C	-20...60 °C	0...55 °C	0...55 °C	0...45 °C	0...50 °C
<b>Certifications / Regulations</b>	CE, cULus Listed, EAC, KC and RCM	CE, cULus Listed, EAC, KC and RCM	CE, cULus Listed Class 1/ Div 2, ATEX 2/22, EAC, KC, RCM and BIS	CE, cULus Listed, EAC, KC and RCM	CE, cULus Listed, EAC, KC and RCM	CE, cULus LISTED (61010), RCM, Morocco mark
<b>Mounting Options</b>	Panel & VESA Mount	Wall, VESA Mount, DIN Rail, Bookshelf, Machine	Wall, VESA Mount, DIN Rail, Bookshelf, Machine	Wall, VESA Mount, DIN Rail, Bookshelf, Machine	Machine Mount	Book Mount (DIN and Wall available as accessories)
<b>Conformal Coat</b>	N/A	N/A	Optional	N/A	N/A	N/A



6300P-xxxA\*

6300P-xxxB\*

6300P-xxxE\*

6300P-xxxF\*

ASEM 6300P Panel PC

	6300P-xxxA*	6300P-xxxB*	6300P-xxxE*	6300P-xxxF*
<b>Mounting</b>	Panel	Panel	Panel	Panel
<b>Screen Size &amp; Resolution</b>	15.6 in. wide - 1920x1080 18.5 in. wide - 1920x1080 21.5 in. wide - 1920x1080 24 in. wide - 1920x1080	12.1 in. - 1024x768 15.0 in. - 1024x768 17.0 in. - 1280x1024 19.0 in. - 1280x1024	15.6 in. wide - 1920x1080 18.5 in. wide - 1920x1080 21.5 in. wide - 1920x1080 24 in. wide - 1920x1080	12.1 in. - 1024x768 15.0 in. - 1024x768 17.0 in. - 1280x1024 19.0 in. - 1280x1024
<b>Bezel Type</b>	Aluminum (resistive), Aluminum Glass (PCAP)	Aluminum (Resistive)	Aluminum (resistive), Aluminum Glass (PCAP)	Aluminum (Resistive)
<b>Touch Type</b>	Single touch: Resistive 5 wires Multitouch: P-CAP	Single touch: Resistive 5 wires	Single touch: Resistive 5 wires Multitouch: P-CAP	Single touch: Resistive 5 wires
<b>Front USB</b>	-	1 x USB 2.0, front, protected (Type-A)	-	1 x USB 2.0, front, protected (Type-A)
<b>Protection Grade</b>	IP65 - Frontal	IP65 - Frontal	IP65 - Frontal	IP65 - Frontal
<b>Processor</b>	Intel Core i3-7100E 2.90 GHz 64 bit, 2 cores / 4 threads, 3 MB smart cache Intel Core i5-7440EQ 2.90 GHz (3.60GHz Turbo) 64 bit, 4 cores / 4 threads, 6 MB smart cache Intel Core i7-7820EQ 3.00 GHz (3.70 GHz Turbo) 64 bit, 4 cores / 8 threads, 8 MB smart cache	Intel Core i3-7100E 2.90 GHz 64bit, 2 cores / 4 threads, 3 MB smart cache Intel Core i5-7440EQ 2.90 GHz (3.60 GHz Turbo) 64 bit, 4 cores / 4 threads, 6 MB smart cache Intel Core i7-7820EQ 3.00 GHz (3.70 GHz Turbo) 64 bit, 4 cores / 8 threads, 8 MB smart cache	Intel Celeron G3900E 2.40 GHz 64 bit, 2 cores / 2 threads, 2 MB smart cache	Intel Celeron G3900E 2.40 GHz 64 bit, 2 cores / 2 threads, 2 MB smart cache
<b>Chipset</b>	Intel HM175 PCH (Platform Controller Hub)	Intel HM175 PCH (Platform Controller Hub)	Intel HM170 PCH (Platform Controller Hub)	Intel HM170 PCH (Platform Controller Hub)
<b>Graphic / Video Controller</b>	Intel HD Graphics 630 integrated in Core i3 processor • 350 MHz / 950 MHz • DirectX 12 and OpenGL 4.5 support Intel HD Graphics 630 integrated in Core i5, Core i7 processors • 350MHz / 1.00GHz • DirectX 12 and OpenGL 4.5 support	Intel HD Graphics 630 integrated in Core i3 processor • 350 MHz / 950 MHz • DirectX 12 and OpenGL 4.5 support Intel HD Graphics 630 integrated in Core i5, Core i7 processors • 350MHz / 1.00GHz • DirectX 12 and OpenGL 4.5 support	Intel HD Graphics 510 integrated in Celeron processor • 350 MHz / 950 MHz • DirectX 12 and OpenGL 4.4 support	Intel HD Graphics 510 integrated in Celeron processor • 350 MHz / 950 MHz • DirectX 12 and OpenGL 4.4 support
<b>Memory</b>	4 GB (1 x SODIMM DDR4 module) or 8 GB or 16 GB or 32 GB (2 x SODIMM DDR4 modules)	4 GB (1 x SODIMM DDR4 module) or 8 GB or 16 GB or 32 GB (2 x SODIMM DDR4 modules)	4 GB (1 x SODIMM DDR4 module) or 8 GB or 16 GB or 32 GB (2 x SODIMM DDR4 modules)	4 GB (1 x SODIMM DDR4 module) or 8 GB or 16 GB or 32 GB (2 x SODIMM DDR4 modules)
<b>Mass Storage</b>	1 bootable CFast SATA III slot onboard with external access - 1 x onboard connector for direct insertion of mSATA SSD SATA III 1 x onboard connector for 2.5 in. SSD / HDD SATA III with internal installation kit	1 bootable CFast SATA III slot onboard with external access - 1 x onboard connector for direct insertion of mSATA SSD SATA III 1 x onboard connector for 2.5 in. SSD / HDD SATA III with internal installation kit	1 bootable CFast SATA III slot onboard with external access - 1 x onboard connector for direct insertion of mSATA SSD SATA III 1 x onboard connector for 2.5 in. SSD / HDD SATA III with internal installation kit	1 bootable CFast SATA III slot onboard with external access - 1 x onboard connector for direct insertion of mSATA SSD SATA III 1 x onboard connector for 2.5 in. SSD / HDD SATA III with internal installation kit
<b>RAID Controller</b>	-	-	-	-
<b>LAN</b>	4 x LAN 10/100/1000Mbps	4 x LAN 10/100/1000Mbps	4 x LAN 10/100/1000 Mbps	4 x LAN 10/100/1000 Mbps
<b>USB</b>	3 x USB 3.0, rear (Type-A) - 2 x USB 2.0, rear (Type-A)	3 x USB 3.0, rear (Type-A) - 2 x USB 2.0, rear (Type-A)	3 x USB 3.0, rear (Type-A) - 2 x USB 2.0, rear (Type-A)	3 x USB 3.0, rear (Type-A) - 2 x USB 2.0, rear (Type-A)
<b>Serial</b>	1 x RS232 (DB9M)	1 x RS232 (DB9M)	1 x RS232 (DB9M)	1 x RS232 (DB9M)
<b>Video Output</b>	1 x DVI-D	1 x DVI-D	1 x DVI-D	1 x DVI-D
<b>Expansion Slots</b>	1 x PCI or 1 x PCIe x 4 (5 GB/s)	1 x PCI or 1 x PCIe x 4 (5 GB/s)	-	-
<b>Power Supply</b>	24V DC (18...32V DC) isolated	24V DC (18...32V DC) isolated	24V DC (18...32V DC) isolated	24V DC (18...32V DC) isolated
<b>Operating System</b>	Windows 10 IoT Enterprise 2019 LTSC, NO OS	Windows 10 IoT Enterprise 2019 LTSC, NO OS	Windows 10 IoT Enterprise 2019 LTSC, NO OS	Windows 10 IoT Enterprise 2019 LTSC, NO OS
<b>Mechanical Construction</b>	Fanless with Heatsink	Fanless with Heatsink	Fanless with Heatsink	Fanless with Heatsink
<b>Operating Temperature</b>	0...50 °C 0...45 °C with 24x7 Core i7 processors	0...50 °C 0...45 °C with 24x7 Core i7 processors	0...50° C 0...45° C with 24x7 Core i7 processors	0...50° C 0...45° C with 24x7 Core i7 processors
<b>Certifications</b>	CE, cULus LISTED (61010)	CE, cULus LISTED (61010)	CE, cULus LISTED (61010)	CE, cULus LISTED (61010)



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