VersaView 6300B Box PC and 6300T Box Thin Client

A-B QUALITY **Allen-Bradley**
by **ROCKWELL AUTOMATION**

Features and Benefits

Intel Atom Class Box PC and Thin Client

- Intel Apollo Lake Atom processor

- Available with Microsoft® Windows 10 IoT Enterprise 2019 LTSC

- DisplayPort supports up to 4K high resolution

- 2 x Ethernet and 2 x USB 3.0 (Type A) ports

- Offers M.2 SSD up to 240 GB (PC Only)

- 4 GB or 8 GB DDR4 RAM

- Fanless, book mount construction, 24V DC

- 0 to 50°C operating temperature

- ThinManager ready and Thin Manager compatible options

Intel Core i Class Box PCs

- Core™ i3 and i7 dual and quad core 7th generation 64 bit processors

- Available with Microsoft Windows 10 IoT Enterprise 2019 LTSC

- No OS version supports Linux

- 4 x Ethernet, 3 x USB 3.0 (Type A), 2 x USB 2.0 (Type A), 1 x RS-232 (DB9M), 1 x DVI-D

- M.2/mSATA and 2.5" SSD up to 1 TB SATA III SSD

- Up to 32 GB DDR4 SODIMM modules

- Up to 3 PCIe expansion slots

- Fanless design with book mount, wall mount, 24V DC

- Fan cooled unit with wall mount, 100V/230V AC

- Up to +50°C operating temperature (0°C to +45°C for i7 processors 6300B-PBC* and 6300B-BMB*)

Intel Atom Class Book Mount Box PC and Thin Client

Intel Core i Class Book Mount Box PC

Intel Core i Class Wall Mount Box PC

Allen-Bradley® VersaView® 6300B Box PCs are available in multiple form factors and processors to match your application. Book mounting units have a fanless design making them optimal for applications requiring low maintenance. The most compact units in this family feature Apollo Lake Atom processors, making them ideal for human machine interface (HMI), IIoT gateway and data logging applications. Atom class units are also available as ThinManager® ready thin clients and are not equipped with an operating system or solid-state drive (SSD).

THINMANAGER®
A ROCKWELL AUTOMATION TECHNOLOGY

Slightly larger book mount units feature a choice of Core i3 and i7 processors for mid-size applications.

Wall mount units with Core i3 and i7 processors are available in designs with fans or without. Fan-cooled units perform well in challenging environments with elevated temperatures. These PCs may be paired with FactoryTalk® View SE software to provide the optimal HMI interface experience within the Rockwell Automation® Connected Enterprise.

All PCs come standard with the Microsoft Windows 10 IoT Enterprise operating system. Units with an i Class processor are optionally available without an operating system.

Robust mass storage is supplied by a M.2 SSD and has RAM permanently soldered to the motherboard to help prevent issues from shock and vibration.

Atom class book-mount and wall-mount units are also DIN rail mountable.

RA **Rockwell Automation**

VersaView 6300B Box PC and 6300T Box Thin Client
Intel Atom Class

Operating system	Microsoft Windows 10 IoT Enterprise LTSC 2019 64 bit
Processor	Intel Atom x7-3950 1.6 GHz (2.0 GHz Burst), 4 cores/4 threads, 2 MB L2 cache)
Video controller	Intel HD Graphics 505 integrated in x7-3950, 500/650MHz
System memory - RAM	4 GB/8 GB, LP-DDR4 - 2400 (soldered)
Mass storage	M.2 size 2242 key B SSD SATA III (up to 240GB)
LAN	2 x Ethernet 10/100/1000 Mbps (Intel I210, RJ45)
USB	2 x USB 3.0 (Type-A)
Video output	1 x DisplayPort
Power	24V DC (18 to 32V DC) isolated
Mounting	Book mount
Case material	Aluminum alloy
Operating temperature	0°C to +50°C
Storage temperature	-10°C to +60°C
Approvals	CE (EN 61326-1, EN 61010-1, EN 61010-2-201), cULus LISTED (UL61010), RCM
Humidity	80% (non-condensing)

Note: Thin Client ships without SSD or OS

VersaView 6300B Box PC — Intel Core i Class

Operating system	Microsoft Windows 10 IoT Enterprise 2019 64 bit (also available with no OS)	
Processor	Intel Core i3-7100E 2.90GHz 64bit, 2 cores / 4 threads, 3MB Smart cache Intel Core i7-7820EQ 3.00GHz (3.70GHz Turbo) 64bit, 4 cores / 8 threads, 8MB Smart cache	Intel Core i3-7101E 3.9Ghz, 2 Cores - 4 threads - 3MB smart cache Intel Core i7-7700 3.6Ghz (4.2GHz Turbo), 4 Cores - 8 threads - 8MB smart cache
Chipset	Intel HM175 PCH (Platform Controller Hub)	Intel C236 PCH (Platform Controller Hub)
Video controller	Intel HD Graphics 630 integrated into Intel Core microprocessor 950 MHz/1 GHz Video RAM (shared)	Intel HD 630 Graphics integrated in Intel Core i3 & i5 350 MHz/1.10 GHz Intel HD 630 Graphics integrated in Intel Celeron microprocessor Intel Core i7 350 MHz/1.15 GHz
System memory - RAM	Up to 32GB DDR4-2400 2 SODIMM modules	
Mass storage	Up to 1 TB 2.5" SSD SATA III 1 x mSATA SATA III interface	Up to 1 TB 2.5" SSD SATA III 1 x M.2 2280 onboard connector, PCIe
LAN	4 x Ethernet 10/100/1000 Mbps (RJ45)	
USB	3 x USB 3.0 (Type A) 2 x USB 2.0 (Type A)	4 x USB 3.0 (Type A)
Video output	1 x DVI-D Single Link (max resolution: 1920x1080 Full HD)	
Power	24V DC (18 to 32V DC) isolated	6300B-PBD*: 100V/230V AC
Mounting	Fanless construction, book mounting (6300B-BMB*), wall mounting (6300B-PBC*)	Fan, wall mounting (6300B-PBD*)
Operating temperature	0°C to +50°C with Core i3 processor 0°C to +45°C with Core i7 processor	0°C to +50°C
Storage temperature	-10°C to +60°C	
Approvals	CE (EN 61326-1, EN 61010-1, EN 61010-2-201), cULus LISTED (UL61010), RCM	CE (EN 61326-1, EN 61010-1, EN 61010-2-201), cULus LISTED (UL61010), RCM
Humidity	80% (non-condensing)	
Expansion slots	6300B-BMB*: 2 x PCIe x4 (Gen 3) 6300B-PBC*: 1 x PCIe x4 (Gen 3)	1 x PCIe x16 + 1 x PCIe x4 + 1 x PCIe x1
Watchdog	Time programmable	
Serial	1 x RS232 (DB9M)	

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