

VersaView 6300B Box PC and 6300T Box Thin Client

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
- M.2 SSD up to 256 GB (PC Only)
- 4 GB or 8 GB DDR4 RAM
- Fanless, book mount construction, 24V DC
- 0 to 50°C operating temperature
- ThinManager ready option

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 or DIN rail construction, 24V DC
- Fan cooled unit with wall or DIN rail construction, 100V/230V AC
- Up to +50°C operating temperature (0°C to +45°C for i7 processors)
- ThinManager Compatible Plus



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).



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.



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 256GB) |
| 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, or DIN rail mountable (model dependent) |
| 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) |
| 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 platform processor Intel Core seventh generation 35/45W Chipset Intel HM175 PCH (Platform Controller Hub) Intel Core i3-7100E, 2.90 GHz, 3MB smart cache, 2 cores/4 threads Intel Core i7-7820EQ, 3.00 GHz (3.70 GHz Turbo), 8MB smart cache, 4 cores/8 threads, soldered-on board | Intel Core i seventh generation 65W Intel Core i3-7101E, 3.90 GHz, 3MB smart cache, 2 cores/4 threads, TDP 54W, socket FCLGA1151 Intel Core i7-7700, 3.60 GHz (4.20 GHz Turbo), 8MB smart cache, 4 cores/8 threads, TDP 65W, socket FCLGA1151 |
| Video controller | Intel HD Graphics 630 integrated into Intel Core microprocessor 950 MHz/1 GHz Video RAM (shared) Dynamic Video Memory Technology Memory quantity is automatically selected by operating system | Intel HD 630 Graphics integrated in Intel Celeron microprocessor Intel Core i3 e 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) 2 x USB 2.0 (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/DIN mounting (6300B-PBC*) | Fan, wall/DIN mounting (6300B-PBD*) |
| Operating temperature | 0°C to +50°C with Core i3 processor 0°C to +45°C with Core i7 processor | |
| Storage temperature | -10°C to +60°C | |
| Approvals | CE (EN 55022, EN 61000-3-2/3, EN 55024, EN 60950-1) cULus LISTED (UL61010) | CE (EN 55022, EN 61000-3-2/3, EN 55024, EN 60950-1) cULus LISTED (UL61010) pending |
| 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 on riser card |
| Watchdog | Time programmable | |
| Serial | 1 x RS232 (DB9M) | |

Connect with us.

rockwellautomation.com ————— **expanding human possibility™**

AMERICAS: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444
 EUROPE/MIDDLE EAST/AFRICA: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640
 ASIA PACIFIC: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Allen-Bradley, Expanding human possibility, FactoryTalk, Rockwell Automation, ThinManager and VersaView are trademarks of Rockwell Automation, Inc.
 Microsoft is a trademark of Microsoft Corporation.

Trademarks not belonging to Rockwell Automation are property of their respective companies.

Publication 6300B-PP001A-EN-P - April 2020

Copyright © 2020 Rockwell Automation, Inc. All Rights Reserved. Printed in USA.