

Specifications

The table below shows the specifications of this product. (The specification list in the user's manual is for the Intel® Atom™ Processor E680 model.)

Items		Specifications
CPU	Available CPU	Intel Atom Processor E680 (512K Cache, 1.60 GHz)
Memory	Main memory	DDR2-800 2GB
	BIOS ROM	SPI Flash 4 MB
Chip set		Intel EG20T PCH
Video controller		Built-in CPU
Backing storage		SATA SSD (16 GB)
Interface	Ethernet	10BASE-T/100BASE-TX/1000Base-T 1port (RJ-45) Support Wake On LAN Network boot
	USB	External: x 6 (Compliance: USB 2.0)
	Serial	x 1 (D-sub 9 pin male)
	VGA	x 1 (D-sub 15 pin female)
	Drawer	x 1 (RJ12 6 pin)
Audio functions		Sound can be output to the built-in speaker. External line-out is provided.
RTC/CMOS Backup battery		Lithium secondary battery for RTC backup
Speaker		Built-in monaural speaker
Printer unit	TM-T88V (80 mm)	Thermal receipt printer 300 mm/s
Software	BIOS	AMI BIOS (ACPI 2.0/APM 1.2/Plug&Play-ready)
	Operating system	Windows® Embedded POSReady 7
	Device control software	ePOS-Device Terminal-oriented software required for thin-client connection
Power supply		Dedicated AC adapter (AC adapter, T (Model: M284A)) DC 24 V, 4.2 A
Current consumption		13 w (when not printing)/40 w (when printing)
Temperature		Operating: 5 to 40°C {41 to 104°F} Storage: -10 to 50°C {14 to 122°F}
Humidity		Operating: 10 to 90 %RH (No condensation) Storage: 10 to 90 %RH (No condensation)
Overall dimensions		145 × 279 × 183 mm {5.71 × 10.98 × 7.2"} (H × W × D) (Base unit only, Rear cover included)
Weight (Mass)		Approx. 3.2 kg {7.04 lb}

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- Internet-based services, and
- support services

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a. Specific Use. You may use the software with a point of service "POS" application.

A POS System means an Embedded System that performs functions substantially similar to that of a point of sale, kiosk (informational or transactional), digital signage, or similar types of devices; and is designed for use solely with a POS Application.

A POS application is a software application which provides any of the following functions;

- process sales and service transactions
- scan and track inventory
- record or transmit customer information
- perform related management functions
- provide information directly and indirectly to customers about available products and services

b. Other Software. You may use other programs with the software as long as the other programs

- directly supports the manufacturer's specific use for the device, or
- provide system utilities, resource management, or anti-virus or similar protection.
- Software that provides consumer or business tasks or processes may not be run on the device. This includes email, word processing, spreadsheet, database, scheduling and personal finance software. The device may use terminal services protocols to access such software running on a server.

c. Storage/Network Use. You may also store or install one (1) copy of the software on a storage device, such as network server, used only to install or run the software on your other POS Systems over an internal network; however, you must acquire and dedicate an additional license for each separate POS System on or from which the software is installed, used, accessed, displayed or run. Except as otherwise permitted by Remote Assistance features described above, a license for the software may not be shared or used concurrently on different POS Systems.

d. Device Connections. You may use terminal services protocols to connect the device to a server running business task or processes software such as email, word processing, scheduling or spreadsheets.

You may permit a maximum of twenty (20) computers or other electronic devices (each a "Device") to connect via Server Message Bloc (SMB) to the POS System to utilize one or more of the following services of the software: File Services, Print Services, Internet Information Services, Internet Connection Sharing and telephony services. The twenty connection maximum includes any indirect connections made through "multiplexing" or other software or hardware which pools or aggregates connections. Unlimited inbound connections are allowed via TCP/IP (Transmission Control Protocol ("TCP")) and the Internet Protocol ("IP").

e. Remote Desktop/Remote Assistance. The software may contain Remote Assistance and Remote Desktop technologies that enable the software or other applications installed on the POS System to be used remotely between two or more computing devices, even if the software or application is installed on only one POS System. You may use Remote Assistance and Remote Desktop with all Microsoft products; provided however, use of these technologies with certain Microsoft products may require an additional license. For both Microsoft products and non-Microsoft products you should consult the license agreement accompanying the applicable product or contact the applicable licensor to determine whether use of Remote Assistance or Remote Desktop is permitted without an additional license.

f. Font Components. While the software is running, you may use its fonts to display and print content. You may only

- embed fonts in content as permitted by the embedding restrictions in the fonts; and
- temporarily download them to a printer or other output device to print content.

g. Icons, images and sounds. While the software is running, you may use but not share its icons, images, sounds, and media.

h. VHD BOOT. Additional copies of the software created using the software's Virtual Hard Disk functionality ("VHD Image") may be pre-installed on the physical hard disk of the device. These VHD Images may only be used for maintaining or updating the software installed on the physical hard disk or drive. If the VHD Image is the only software on your device, it may be used as the primary operating system but all other copies of the VHD Image may only be used for maintenance and updating.

i. Multiplexing. Hardware or software you use to

- pool connections,
- reroute information, or
- reduce the number of devices or users that directly access or use the software (sometimes referred to as "multiplexing" or "pooling"), does not reduce the number of licenses of any type that you need.

3. INTERNET-BASED SERVICES. Microsoft provides Internet-based services with the software. It may change or cancel them at any time.

a. Consent for Internet-Based Services. The software features described below connect to Microsoft or service provider computer systems over the Internet. In some cases, you will not receive a separate notice when they connect. You may switch off these features or not use them. For more information about these features, see <http://windows.microsoft.com/en-US/windows7/windows-7-privacy-statement-highlights>. **By using these features, you consent to the transmission of this information.** Microsoft does

not use the information to identify or contact you.

Computer Information. The following features use Internet protocols, which send to the appropriate systems computer information, such as your Internet protocol address, the type of operating system, browser and name and version of the software you are using, and the language code of the device where you installed the software. Microsoft uses this information to make the Internet-based services available to you.

- **Auto Root Update.** The Auto Root Update feature updates the list of trusted certificate authorities. You can switch off the Auto Root Update feature.
- **Digital Certificates.** The software uses digital certificates. These digital certificates confirm the identity of Internet users sending X.509 standard encrypted information. They also can be used to digitally sign files and macros to verify the integrity and origin of the file contents. The software retrieves certificates and updates certificate revocation lists using the Internet, when available.
- **IPv6 Network Address Translation (NAT) Traversal service (Teredo).** This feature helps existing home Internet gateway devices transition to IPv6. IPv6 is next generation Internet protocol. It helps enable end-to-end connectivity often needed by peer-to-peer applications. To do so, each time you start up the software the Teredo client service will attempt to locate a public Teredo Internet service. It does so by sending a query over the Internet. This query only transfers standard Domain Name Service information to determine if your computer is connected to the Internet and can locate a public Teredo service. If you
 - use an application that needs IPv6 connectivity or
 - configure your firewall to always enable IPv6 connectivityby default standard Internet Protocol information will be sent to the Teredo service at Microsoft at regular intervals. No other information is sent to Microsoft. You can change this default to use non-Microsoft servers. You can also switch off this feature using a command line utility named "netsh."
- **Information Rights Management.** The software contains a feature that allows you to create content that cannot be printed, copied or sent to others without your permission. You may need to connect to Microsoft to use this feature for the first time. Once a year, you may need to re-connect to Microsoft to update it. For more information, go to www.office.microsoft.com/en-us/assistance/HA010397891033.aspx. You may choose not to use this feature.
- **Windows Media Digital Rights Management.** Content owners use Windows Media digital rights management technology (WMDRM) to protect their intellectual property, including copyrights. This software and third party software use WMDRM to play and copy WMDRM-protected content. If the software fails to protect the content, content owners may ask Microsoft to revoke the software's ability to use WMDRM to play or copy protected content. Revocation does not affect other content. When you download licenses for protected content, you agree that Microsoft may include a revocation list with the licenses. Content owners may require you to upgrade WMDRM to access their content. Microsoft software that includes WMDRM will ask for your consent prior to the upgrade. If you decline an upgrade, you will not be able to access content that requires the upgrade. You may switch off WMDRM features that access the Internet. When these features are off, you can still play content for which you have a valid license.
- **Windows Media Player.** When you use Windows Media Player, it checks with Microsoft for
 - compatible online music services in your region;
 - new versions of the player; and
 - codecs if your computer does not have the correct ones for playing content.You can switch off this last feature. For more information, go to go.microsoft.com/fwlink/?LinkId=51331.
- **Windows (or Microsoft) Update Feature, Windows Update Feature.** This is an optional feature that you can enable by selecting the "Opt In" dialogue box. Once enabled, this feature automatically connects to Microsoft or service provider computer systems over the internet to provide updates from Microsoft to your software and Runtime. In some cases, you will not receive a separate notice when they connect. Standard information about your computer is sent each time the feature connects. Standard computer information may include your Internet Protocol address, the type of operating system, browser and name and version of the software you are using and the language code of the device where you installed the software. Microsoft uses this information to make the Internet based service available to you. You may switch off this feature or not use it. **By using this feature, you consent to the transmission of this information.** Microsoft does not use the information to identify or contact you.

4. **BENCHMARK TESTING.** You must obtain Microsoft's prior written approval to disclose to a third party the results of any benchmark test of the software. However, this does not apply to the Microsoft .NET Framework (see below).
5. **MICROSOFT .NET FRAMEWORK BENCHMARK TESTING.** The software includes one or more components of the .NET Framework (".NET Components"). You may conduct internal benchmark testing of those components. You may disclose the results of any benchmark test of those components, provided that you comply with the conditions set forth at go.microsoft.com/fwlink/?LinkId=66406. Notwithstanding any other agreement you may have with Microsoft, if you disclose such benchmark test results, Microsoft shall have the right to disclose the results of benchmark tests it conducts of your products that compete with the applicable .NET Component, provided it complies with the same conditions set forth at go.microsoft.com/fwlink/?LinkId=66406.
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