

Frequently asked ValueLine Industrial PC Questions...

1. What types of models will be offered with ValueLine IPC?

ValueLine IPC is a completely configurable product, so there are no fixed part numbers for custom configured systems. A ValueLine system can be configured with a specific display size, memory size and hard drive size, as well with several other hardware and software options.

2. How do I configure a custom ValueLine system?

Phoenix Contact's online configuration tool is available from www.phoenixcontact.ca. This configuration tool is similar to online ordering a desktop PC from Dell or Apple, where customers select from a list of options for the system that is being configured.

3. How is a custom ValueLine system identified?

The online configuration tool will generate an order key based on the choices made during the configuration process. This order key is composed of the ValueLine IPC 7-digit base part number along with a series of descriptors that identify the specific characteristics of the configured system. The order key is used for ordering all ValueLine systems.

4. Can I build an order key manually?

No, the online configuration tool enforces a set of rules during the configuration process so that incorrect order keys cannot be created. If an order key is manually constructed, there is a high probability that an incorrect configuration will be created and be rejected by the configuration system.

5. Will the order key be visible on the ValueLine custom-configured system?

Yes. The specific order key generated by the online configuration tool will be printed on the label affixed to the ValueLine hardware. This order key can then be used for re-ordering the same ValueLine system. It will also be used for tech support personnel to identify the specific characteristics of the system.

6. Can the ValueLine IPC be reconfigured in the field?

No. Although, the ValueLine IPC product incorporates a modular design, it is not designed to be modified by the customer in the field.

7. What operating systems are offered with ValueLine IPC at launch?

WIN XP PRO only. WINDOWS VISTA, Embedded XP and CE.NET are planned for the future.

8. What is the difference between Windows XP Professional and Embedded XP?

Windows XP Professional is a general purpose operating system for use in a variety of applications. Embedded XP is a lower cost, lower functionality operating system used by OEMs to create products for a specific purpose. The specific purpose nature of OEM-created products based on the Embedded XP operating system results in a closed operating system that cannot be modified by the end-user of the product. Embedded XP products are most often deployed with non-rotating media, such as a CF (CompactFlash®) or SSHD (Solid State Hard Drive).

9. What display sizes are available for the ValueLine IPC?

Both a 15- and 17-inch display will be available at launch.

10. What CPUs are available for the ValueLine IPC?

The ValueLine IPC can be configured with a Celeron® M 1.01 GHz or a Core™2Duo 1.5 GHz CPU.



11. What is the maximum RAM available for a ValueLine IPC?

The Celeron IPC can be configured with up to 2 GB of RAM. The Core2Duo IPC can be configured with up to 4 GB of RAM.

12. Is there a non-volatile RAM (NVRAM) option?

In the future the ValueLine IPC will have a built-in, mini-PCI slot that can be populated with a NVRAM card. Support for the NVRAM hardware will be available with the VLC runtime software option and is used for retaining controller program values in the event of a power outage.

13. What type of mass storage options are available with the ValueLine IPC?

The ValueLine IPC can be configured with either an 120GB or 160GB HDD. A 64 GB SSHD is also available. CompactFlash options are also available for embedded applications. ValueLine IPC will also be available with an extended temperature rotating hard drive.

14. What is ValueLine IPC's temperature range?

Ambient temperature (operating). 5..55°C

Ambient temperature (storage). -40..70°C

15. What are the advantages of a solid state hard drive (SSHD)?

SSHD is a non-rotating mass storage medium that is immune to shock and vibration.

16. What are the differences between a Compact Flash and a SSHD?

An SSHD has more data storage space (for example, 64GB versus 4GB) and more read-write cycles, meaning the number of times you can write to an SSHD before it wears out is greater than an CompactFlash. This is due to the technology of the internal chips used in these devices.

17. Is there an option for a RAID (redundant array of independent disks) drive with ValueLine IPC?

No, because of its ruggedness, an SSHD is a better choice than a rotating hard drive.

18. How many Ethernet ports are on a ValueLine IPC?

2 x 10/100/1000 Mbps ports

19. Can I get a ValueLine IPC with 115 VAC power?

No, only 24 VDC power is available.

20. What 115 VAC power supply is recommended for ValueLine IPC?

Either the 2.5 A or 4.2 A STEP Power power supply are the most efficient solutions (part numbers 2868651 and 2868664). ValueLine IPCs also feature a dedicated input on the power connector for a QUINT UPS (QUINT-DC-UPS/24/DC/10; part number 2866226).

21. What IP rating does ValueLine IPC have?

IP65 for the front of the panel PCs; IP20 rear. Blind node IPC are IP20 all around.

22. Does the ValueLine IPC use any fans?

No. This increases the reliability and uptime of the entire PC and ensures the CPU will never be damaged due to a failing CPU fan