

# Ventura ASi. Industrial PC with integrated AS-i Master

Give your machine a modern face with a Ventura from KUHNSKE

*Today control tasks which feature a modern human machine interface cannot do without an IPC-based control. Modern visualisation is part of any state-of-the-art technology for large industrial plants with higher level field bus or communication systems.*

*Manufacturers of machines purely networked in AS-i can now offer this convenient, easy PC operating system, including touch functions. You no longer require separate gateways or AS-i Masters but, instead, control your machine without any costly diversions.*

With the new integrated **AS-i Master 2.1** the Ventura system family is now suitable for small units as well, for which **simple installation** and **high profit** are particularly important. It supports up to 62 AS-i slaves with up to 248 digital inputs and 186 outputs or 124 analogue values. All standard services, including direct access to analogue values and **detailed diagnostics**, are available. The network interface is electrically isolated and has a 2 pin screw terminal.

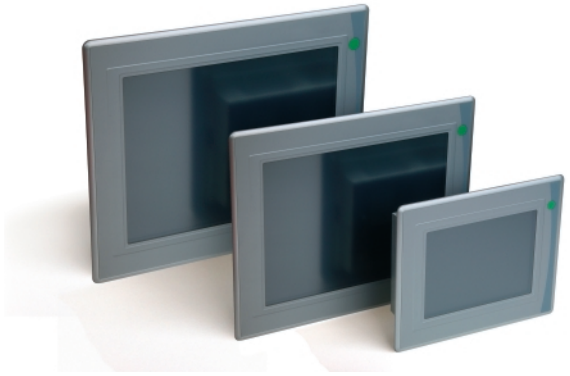


In addition to standard **Ethernet** interfaces the new PC-based control platform **Ventura ASi** from KUHNSKE now also provides an integrated AS-Interface Master 2.1. With this IPC Ventura ASi and, for instance the **KUHNSKE AirBoxes**, you are provided with an effective automation system, which optimally and directly implements control and motion. Additional bus switches, such as **PROFIBUS** and/or **CANopen**, can be used parallel to this for decentralised positioning tasks.

This adaptable system performance, including customer-specific software implementation, can be completely developed together with you and provided as a **system solution**.

This easily usable flexibility and adaptability makes Ventura ASi and AS-Interface an ideal system combination. This is not only used in the conveyor technology and in packaging machines, but is useful for all mechanical engineering and machine building.

Linking the **Ventura touch** TFT screen with touch functionality, available in 5 different sizes and solutions, is provided through the tried-and-tested DVI interfaces. The **seamless front surface** in IP 65 can be individually adapted.



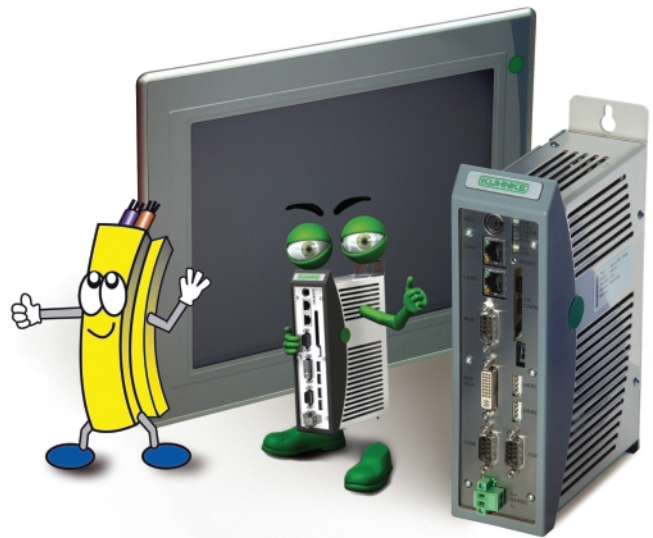
Ventura, the PC based control family, works in continuous operation without a fan in ambient temperatures up to 50 degrees Celsius and has a power supply with electrical isolation which is adapted to industrial needs as well as to the requirements, e.g. for data protection, an emergency stop by-pass (**UPS**). The computing powers of the Ventura family members are scaleable. It is available in different variants with the processor performance of Celeron or Intel Pentium M processors.

The integrated soft or slot PLC can be programmed with **CoDeSys**. So user support can be had via the real-time control and programming system CoDeSys, according to the standard IEC 61131-3, as well as via CoDeSys SP, the platform independent PLC-Run-time system connected to the operating systems **Microsoft® Windows® CE** and **Microsoft® Windows® XP embedded**. A complete offline simulation makes the project planning easier. In addition to multi-fieldbus configurations and integrated drive functions, CoDeSys also provides an easily operated target **visualisation** with TeleService. However, the operating systems Microsoft® Windows® CE and Microsoft® Windows® XP embedded enable the worthwhile use of other complex programmes.



### The small one with the great performance

capacity, with its dimensions of 19 x 5.5 cm, fits into a control cabinet or directly into the operating unit of your machine. The operation without fan and hard disks makes the industry PC in modern, economical casing design especially **service-friendly** and **almost maintenance-free**.



The use of compact flash cards as externally exchangeable mass storage units warrants the **very high system availability** and minimises the downtime. The resulting new platform for automation, with its programmable operation and control unit combination, is particularly compact, robust and very adaptable.

With **Ventura ASI** machine modernisation is immediately recognisable for the user and hence simple to implement, and this rapidly pays for itself.

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