

MARK VIE UCSB

Product Data Sheet

IS420UCSBH4A

Embedded Industrial Controller Module

PROCESSOR	PROCESSOR CLOCK	MAIN MEMORY	NAND FLASH CAPACITY
Intel EP80579	1066 MHz	256 MB DDR2 with ECC	2 GB

GE IS420UCSBH4A is a UCSB controller for the Mark Vie industrial control platform. It executes configured control logic and exchanges data with distributed I/O and supervisory networks in compatible turbine and plant-control applications.

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VERIFIED TECHNICAL DATA

Processor	Intel EP80579
Processor clock	1066 MHz
Main memory	256 MB DDR2 with ECC
NAND flash capacity	2 GB
Operating system	QNX Neutrino
UDH/CDH Ethernet ports	2 x RJ45 10/100BASE-TX
IONet Ethernet ports	3 x RJ45 10/100BASE-TX
Nominal supply	28 V DC
Permitted supply range	27.4 to 28.6 V DC
Maximum input current	1.1 A

ADDITIONAL PRODUCT DATA

Typical power consumption	17.3 W
Maximum power consumption	28.7 W
Operating ambient	-30 to 65 deg C
Cooling arrangement	Fanless
Battery requirement	None

DOCUMENTED USE SETTINGS

Electricity Generation and Plant Energy Production: Gas Turbine Power Generation.

Oil Production and Natural Gas Processing: Oil and Gas Production.

Chemical Manufacture and Petrochemical Production: Industrial Chemical Process Production.

SYSTEM COMPATIBILITY

Connect IS420UCSBH4A within its specified Mark VIe project and controller redundancy arrangement. This H4A controller uses the 1066 MHz Intel processor; other UCSB suffixes have different hardware specifications.

PRODUCT EVIDENCE

GEH-6721 Vol II BN, UCSB controller pp.76 to 86; GEH-6725R supply table p.22

AMIKON PRODUCT SUPPORT

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