# GE GE □□□ Series Service Manual

IS220UCSAH1A

## 1. Description

IS220UCSAH1A 667 MHx PowerQUICC® Pro Freescale Technical Specifications

## 2. Specifications

| Specification | Value |
|---|---|
| Manufacturer | **General Electric, GE Boards & Turbine Control** |
| Series | **Mark VI IS200** |
| Part | **Number IS220UCSAH1A** |
| Shipping | **Weight 2 lb** |
| Functional | **Acronym UCSA** |
| Functional | **Description PAMC Acoustic Monitor (Processor)** |
| Instruction | **Manual GEH-6725R** |
| PCB | **Coating Conformal Coating** |
| Applications | **Mark VIe, Mark VIes, EX2100e, LS2100e** |
| Functional | **Revision 1 A** |
| Product | **Type Mark VIe Controller** |
| Ethernet | **Ports Six Ports** |
| About | **the IS220UCSAH1A** |
| As | **with any Mark Series product belonging to our extended new and reconditioned inventory here, this IS220UCSAH1A device's intended Mark Series functionality is introduced through its special assembly's acceptance of a unique series of hardware components and specifications. The IS220UCSAH1A is built as a single boxed component with:** |

## 3. Product Information

IS220UCSAH1A 667 MHx PowerQUICC® Pro Freescale Technical Specifications

Manufacturer General Electric, GE Boards & Turbine Control

Series Mark VI IS200

Part Number IS220UCSAH1A

Shipping Weight 2 lb

Functional Acronym UCSA

Functional Description PAMC Acoustic Monitor (Processor)

Instruction Manual GEH-6725R

PCB Coating Conformal Coating

Applications Mark VIe, Mark VIes, EX2100e, LS2100e

Functional Revision 1 A

Product Type Mark VIe Controller

Ethernet Ports Six Ports

About the IS220UCSAH1A

As with any Mark Series product belonging to our extended new and reconditioned inventory here, this IS220UCSAH1A device's intended Mark Series functionality is introduced through its special assembly's acceptance of a unique series of hardware components and specifications. The IS220UCSAH1A is built as a single boxed component with:

a front faceplate to allow for connection of communications

two screw mounts on the rear edge

grill openings on three sides to allow for air flow

for base-mounting within a cabinet

IS220UCSAH1A PAMC Acoustic Monitor Processor Specs & Ratings

Up to three components can be mounted adjacent to each other for a compact arrangement that easily serves triple redundant systems. It features an HMI (human machine interface) with software designed for running heavy-duty turbines, such as the CIMPLICITY graphics interface. The IS220UCSAH1A works on a QNX operating system, and has:

a Freescale 8349, 667 MHz processor

a power source rated at 18-36 V dc, 12 watts

operating temperatures from 0 to 65 degrees Celsius

no fan for cooling, even at max temperature rating

NFPA Class 1, Div. 2 applications

Mark VIe IS220UCSAH1A Monitor Faceplate

The front faceplate of the IS220UCSAH1A has:

six female jack connectors

one USB port

multiple LED indicators

LED indicators down the left side of the front panel labeled Link/Act

Power, Boot, Online, Flash, DC, and Diag in the middle

Jack connectors are used for Ethernet connections, which allow the board to communicate with other MKVI, MKVIe, or EX2100 excitation controls, along with maintenance stations and operator stations.

SPECIFICATIONS:

Part Number: IS220UCSAH1A

Manufacturer: General Electric

Series: Mark VIe

Product Type: PAMC Acoustic Monitor (Processor)

Software: ControlST V04.03.18CRelative humidity: 5% to 95%, no-condensing

Power Requirements +32 V dc to 18V dc

Microprocessor: Freescale Power PC (Power QUICC II PRO 667 MHz)

Memory: 256 MB DDR SDRAM

Operating System: QNX NeutrinoWeight: 2 lbs

Availability: In Stock

Country of Manufacturer: United States (USA)

Ambient Temperature Rating□0 to 65 °C (32 to 149 °F)