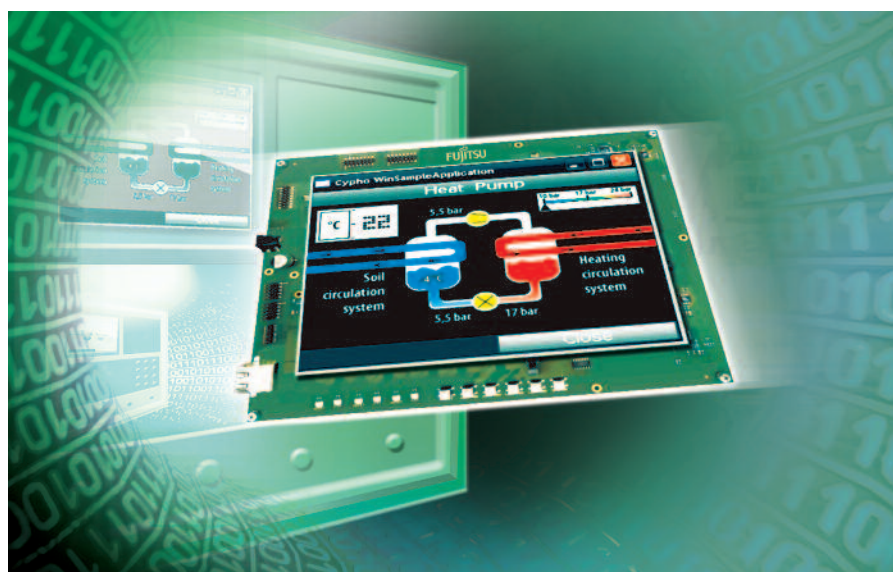


Compact Indigo System – an MB88F332 'Indigo' based Reference Design for Industrial and Automotive Remote Display and Camera Applications



Flexible reference design for extensive automotive and industrial applications

- RJ-45 connector or Rosenberger connector mountable on PCB
- Power supply via 'Power over APIX®', alternative 12V Power Connector, or auxiliary power Pins on RJ45 connector

Applications

- Automotive
 - Instrument clusters
 - Central information displays
 - Heating / climate control displays
 - Rear seat entertainment
 - Rear view cameras
- Industrial
 - Automation
 - Vending
 - Digital signage
 - White goods
 - Medical
 - Gaming
 - Scales
 - Inspection cameras
 - Robotics

Description

The SK-88F332-02 'Compact Indigo System' is a reference design for remote display and remote camera applications using Fujitsu's MB88F332 'Indigo' System-on-Chip. Video signals, the power supply voltage and bi-directional data communication are all transmitted via a single 4-wire connection between the display unit and the control unit using APIX® technology.

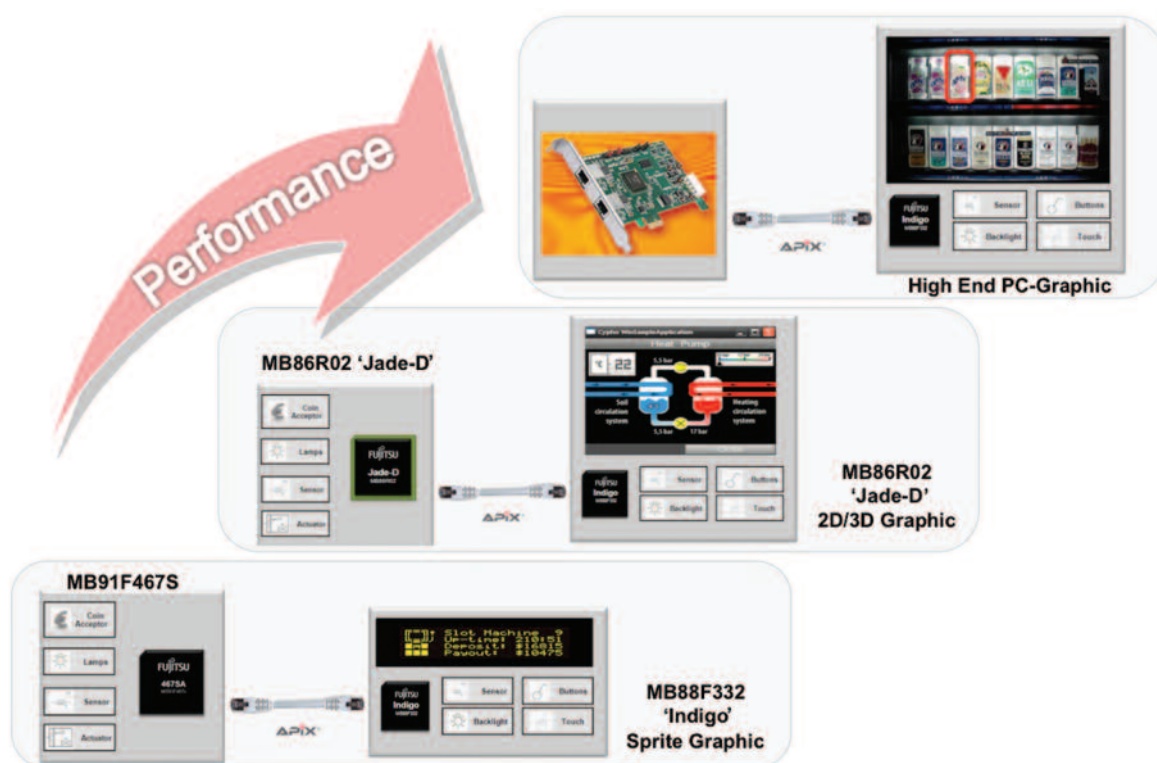
The board is compatible with Fujitsu's MB91F467S Microcontroller and MB86R02 'Jade-D' graphics controller featuring integrated APIX® technology.

For use of the SK-88F332-02 'Compact Indigo System' in combination with embedded PCs an APIX® PCI express card is available from Congatec AG.

Features

- System-on-Chip MB88F332 with integrated APIX® receiver/transmitter
- Brilliant 800 by 480 colour TFT with LED backlight and touch screen
- Remote peripherals support such as UART, GPIO, ADC, PWM, I²C, sound, stepper motors
- 4 buttons and 4 LEDs for the demonstration of MB88F332 peripheral functions
- All MB88F332 resources connected to pin-headers on PCB for easy integration in customer applications
- Additional 16-bit MCU on board for port expansion (i.e. connection of key matrix)
- MB88F332 controllable via SPI Host interface by on-board MCU for stand-alone or camera applications

FACTSHEET
SK-88F332-02
'COMPACT INDIGO SYSTEM'



An APIX® PCIe card is available from Congatec AG enabling the 'Compact Indigo System' to be used in combination with embedded PCs

Ordering Information

SK-88F332-02 'Compact Indigo'
fujitsu-semiconductor.eu/indigo/order

Compatible Evaluation Systems

MB91F467S
fujitsu-semiconductor.eu/indigo/eval1

MB86R02 'Jade-D' Evaluation Board
fujitsu-semiconductor.eu/indigo/eval2

PCI express card for Embedded PC is available from Congatec AG
www.congatec.com/apix.html

Software Support

GDC-Studio
fujitsu-semiconductor.eu/indigo/gdc-studio

GDC-Flasher
fujitsu-semiconductor.eu/indigo/gdc-flasher

APIX Remote Handler (Light) Software for MB91F467S
fujitsu-semiconductor.eu/indigo/apix-light

ASK FUJITSU SEMICONDUCTOR EUROPE

Contact us on +49 6103 6900 or visit
<http://emea.fujitsu.com/semiconductor>