



Public Information Display

Reception

Banking & Finance

Digital

Signage System



Retail Advertising



Airports Railway Transport



Technical Specification

Display Specification

WXGA resolution, up to 1920 x 1080 pixels

High brightness TFT LCD

High contrast ratio

Fast response time, 8ms

Built-in Graphic Engine

Compact Flash Hard Disk

Run MPEG format

Outdoor Application, IP54

Sunlight readable version available

Industrial grade metal construction



Display Type	32" TFT LCD DS-8832	42" TFT LCD DS-8842
Native Resolution	WXGA, 1366 x 768 pixels	WXGA, 1366 x 768 pixels
Viewing Angle	89° horizontal 89° vertical	89° horizontal 89° vertical
Brightness	500 nits or cd/m ²	500 nits or cd/m ²
Contrast Ratio	1600 : 1 (typical)	1100 : 1 (typical)
Response Time	8ms	8ms
Frequency	47 - 85 Hz	47 - 85 Hz
Lamp Life Time MTBF	50000 hours	50000 hours
Number of color	16.7 million colors	16.7 million colors
Pixel Pitch	0.17 x 0.51 mm	0.227 x 0.681 mm
Operating Temperature	0° to 40°	0° to 40°
Storage Temperature	0° to 50°	0° to 50°
LVDS	24bit Single channel	24bit Single channel
VGA Signal Input	Analog RGB, DB15 (male)	Analog RGB, DB15 (male)
Power Requirement	230 VAC, 90W, IEC320 type	230 VAC, 180W, IEC320 type

Graphic Engine Specification

- Embedded Graphic Controller for driving Displays
- Low power consumption
- Slim fanless design available in 800MHz

Hardware Specification

Processor

Embedded VIA C3 1GHz
or VIA Eden 800MHz (fan less)
Low power Consumption

Memory

- 200-pin SODIMM socket
- Equipped with 512MB SDRAM 133

Graphics

VIA S3 Twister

- 64-bit integrated S3 ProSavage AGP4x Graphic Controller
- VT8606-Twister T chip 2D/3D Graphic Controller with SMA up to 32MB
- Support 4:3 & 16:9 display
- High Speed 3D image processing
- Up to 1600x1200 @ 16M colors

LVDS

- 18bit, 24bit & 36bit TFT LCD Panel
- Dual Channel LVDS

Audio

- VIA VT82C686B AC97 2.0 compliant
- Multi-Stream Direct Sound
- Direct Sound 3D acceleration
- On-board phone jack and pin header

Data Storage

- Enhanced IDE hard disk interface
- 44-pin connector
- Support Ultra-DMA or PIO
- Flash Disk Module or Micro Disk Module
- Compact Flash interface
- For diskless system up to 8GB

Network

- Realtek 8139D or
- 10/100 BaseT, support full duplex
- Compliant with IEEE 802.3X
- RJ45 Ethernet Interface

Input / Output

- USB port, 4 nos
- Serial port, (RS-232, 3 nos ; RS-485, 1 nos)
- Parallel port, 1 nos
- PS/2 keyboard & mouse
- Infra-red port, 1 nos
- PCI slot, 1 nos

Watch Dog Timer (Optional)

- Programmable 1 ~255 seconds

Miscellaneous

- Silicon serial number for unique board identification
- Thermal Sensor for CPU & board temperature
- Real time clock
- Watch-dog timer

Power Supply

- ATX power supply, 200W

Form factor : 340D x 280W x 44H mm



GPRS Modem

The GSM/GPRS Quad Band Modem with TCP/IP stack, mini USB and RS232 port

- **Quad Band**
- **USB port & RS232 serial port**
- **GPRS Class 10**
- **TCP/IP stack**
- **SMS and CSD**
- **SIM card holder**
- **3 status LEDs**
- **CE approval & RoHS compliant**

GS64 Terminal

The GS64Terminal is a self contained unit featuring the latest GSM/GPRS technology from Sony Ericsson.

Since the GS64Terminal is mainly mechanical and electrical compatible to the Sony Ericsson GM29 GSM/GPRS Terminal, the GS64Terminal can be seen as a very powerful successor for today's users of GM29.

GS64Terminal is the excellent product for system integrators who focus on application development by using a ready to start modem with standard connectors.

Benefits

- The Quad Band functionality allows operation on all relevant GSM-frequencies.
- The USB and the RS232 ports allow connectivity to all relevant PC's and control boards in office and industrial environments.



- The GPRS class 10 allows fast data transfer on up to four simultaneous GPRS-channels and up to two uplink channels.
- The included TCP/IP stack gives system integrators fast access to IP connections just by using AT commands.
- The robust connectors and the professional housing allow the integration in a harsh environment.
- The extended temperature range from -30°C up to +75°C enables the usage in tough environments such as vending machines, alarm systems or any other telemetry application.
- The wide input voltage range allows the integration in vehicle applications for telematic solutions.



GSM/GPRS Quad Band Modem with USB

Product Features

- Quad Band GSM/GPRS
- GSM 850/900 Power class 4 (33dBm)
- GSM 1800/1900 Power class 1 (30dBm)
- Mobile Class B
- Extended Measurement Reporting
- Compliant with 3GPP Release 99 Protocol Stack
- Power supply: 5 – 32 VDC
- Overall dimensions (excluding connectors):
77 x 67 x 26 mm
- Temperature range:
 - -30°C to +75°C (Operational)
 - -40°C to +85°C (Storage temperature)
- Weight: ca. 100g

Interfaces

- RS232 9-way DSub
- USB mini (2.0 Full-Speed End-Point Compliant)
- Power: 5 – 32VDC (RJ11)
- Antenna: 50 Ohms (FME male)
- SIM card reader: 1,8V/3V interface with SIM detection
- Control by AT commands (GSM 27.005, 27.007 plus proprietary commands)

Data Features

- GPRS Class 10
- Multiple simultaneous PDP contexts
- GPRS Coding Schemes CS1-CS4
- Transparent and non-transparent CSD up to 9.6 kbps
- Modem Type; V21, V22, V23, V22bis, V26ter, V32, V34, V24
- V42bis compression
- GSM supplementary services supported
- GSM 27.010 Multiplexing Protocol
- USSD

Short Message Service (SMS) Features

- Text and PDU
- Point to point (MT/MO)
- Cell Broadcast

Internet Protocol

- TCP/IP protocol stack
- Extensive AT Command access to TCP/IP stack
- Multiple sockets with listening/server capability
- IPv4 protocol
- Dynamic & Static IP address allocation
- PPP protocol (PAP)
- UDP protocol
- FTP client – File Transfer Protocol (file transfers)

Other Features

- SIM Application Toolkit Class 2
- 3 x LED for status indication
- Power Supply voltage measurement via AT-Command
- Same mounting holes as Sony Ericsson GM29
- Same connector positions as Sony Ericsson GM29



Feature of PID

The Closed-loop range of IP55 standard PIDs are designed for outdoor or weather proof applications. Robust metal construction ensure vandalism proof. Using high grade industrial components, modular in construction and special laminated safety glass panel with anti-glare treatment.

- Flexible display design
- Modular construction
- Laminated safety glass
- Anti-glare treatment



Swing Frame LCD mounting & Gas Spring Assisted Door

- For easy maintenance
- Safety for service
- Prevent door from falling on the head



Ventilation Perforation

- For IP55 internal cooling
- Perforated mesh prevent insect from entering enclosure



Power Distribution Unit, PDU

- Internal AC power distribution
- Built-in push button MCB for overload protection
- Metal clad casing for industrial safety

Application of Public Information Display

Airport Solution

- Flight Information Display System
- Passenger Information Display System
- Baggage Information Display System

Transport Solution

- Train Arrival & Departure Information
- Metro Route Information
- Bus Terminal Information
- Bus Route Information
- Locality Amenity Information

Business Solution

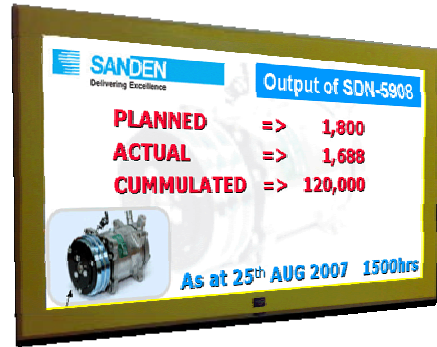
- Hotel Lobby area / Point of Waiting
- Visitor Information System
- Seminar Training Room
- Advertising
- Food & Beverage
- Petrol Station
- Retail Promotion
- Showroom for Car, Golf
- Cinema
- Casino & Gaming

Industrial Solution

- Process Control
- Automation & Manufacturing
- Measurement Technology
- Simulation
- Radar & Navigation
- Military

Banking & Finance Solution

- Exchange Rate
- Stock & Unit Trust Prices
- Fixed Deposit & Interest Rates



Casino & Gaming

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Hotel Lobby

Restaurant & Food Court



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