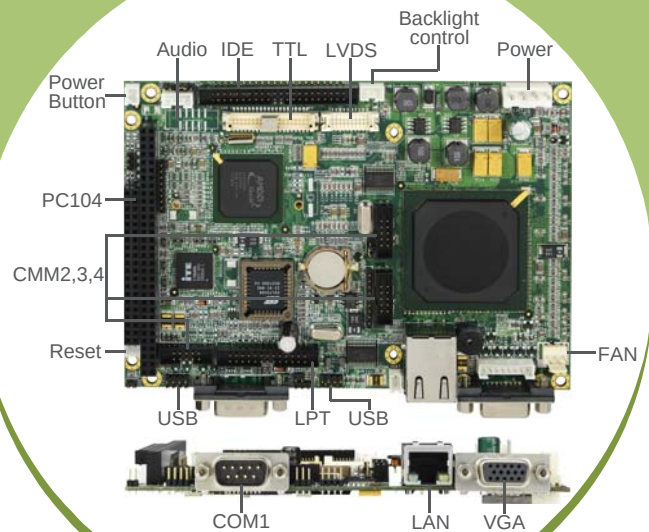


# BEGX581A

## Mobile Embedded System



### Features

- Fan-less Low power AMD CPU board
- 10.4" TFT LCD display (option)
- Embedded Window XP or WINCE OS (support embedded)
- 5-wired resistive Touch panel with control board (option)
- Backup Battery board (option)
- Dimensions (W x D x T) : 250 x 196 x 56mm

### Fan-less Low Power AMD CPU Board

- **CPU** AMD Geode LX-800
- **Chipset** AMD Geode Link CS5536 PCI bridge
- **OS** WINCE 5.0 / Embedded XP
- **Memory** 256MB ~ 1GB DDR SODIMM
- **Display** 18-bit / 24-bit LVDS, 18-bit / 24-bit TTL LCD / VGA
- **Storage** DMA-33 4GB(default) compact flash card
- **IO Port** / HDD 4 x USB, 4 x serial ports, 8-bit TTL
- **Extend Bus** PC104 Bus
- **Audio** AC97 with Line-in / Line-out / Mic-in
- **Ethernet** Realtek8100C 10 / 100Mbps fast Ethernet controller
- **WDT** Programmable 1~255sec
- **Power** DC12V
- Operating Temperature -10° to +60°

### TFT LCD Display Module (option)

- **Resolution** SVGA (800 x 600)
- **Pixel Pitch** 0.264mm
- **View Angle** 140 / 120 (H / V)
- **Response Time** 30ms
- **Brightness** 230cd / m<sup>2</sup>
- **Interface** 1CH LVDS
- **Power Consumption** 3.5W

### GSM / GPS Board(option)

#### GSM Module

- Siemens / Wavecom Tri-Band wireless module supporting 900 / 1800 / 1900MHz (or 850 / 1800 / 1900MHz)

#### GPS Module

- Support GPS module with 50 channels receiver engine with passive antenna

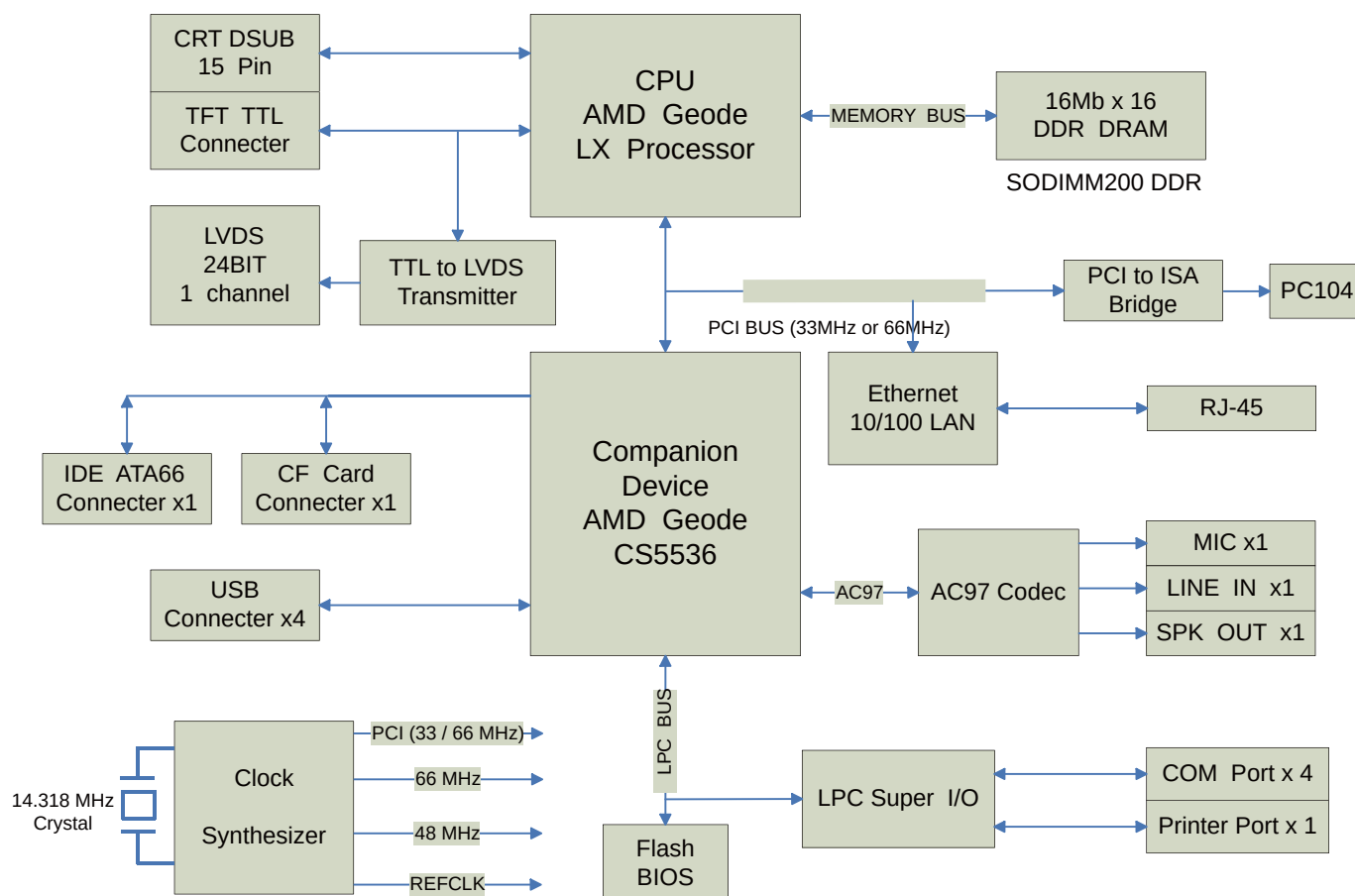
### Battery Backup Board(option)

- High integrated battery charger with automatic power source selector
- DC input 12~24V, 4400mAh / 6600mAh battery



**BOLYMIN, INC.**

## BEGX581A BLOCK DIAGRAM



## Order Information

| Parts NO. | OS |    | DDR 333 |       | CF card 4G | 10.4" TFT cable | T/P | Adaptor | Option board |     |         | USB board | Audio board | DC jack | Push button | Chassis |
|-----------|----|----|---------|-------|------------|-----------------|-----|---------|--------------|-----|---------|-----------|-------------|---------|-------------|---------|
|           | XP | CE | 256MB   | 512MB |            |                 |     |         | GPS          | GSM | Battery |           |             |         |             |         |
|           | ☆  |    |         | ☆     | ☆          | ☆               | ☆   | ☆       | ☆            | ☆   | ☆       | ☆         | ☆           | ☆       | ☆           | ☆       |
|           |    | ☆  | ☆       |       | ☆          | ☆               | ☆   | ☆       | ☆            | ☆   | ☆       | ☆         | ☆           | ☆       | ☆           | ☆       |
|           | ☆  |    |         | ☆     | ☆          | ☆               | ☆   | ☆       | ☆            | ☆   |         | ☆         | ☆           | ☆       | ☆           | ☆       |
|           |    | ☆  | ☆       |       | ☆          | ☆               | ☆   | ☆       | ☆            | ☆   |         | ☆         | ☆           | ☆       | ☆           | ☆       |
|           | ☆  |    |         | ☆     | ☆          | ☆               |     | ☆       |              |     |         | ☆         | ☆           | ☆       | ☆           | ☆       |
|           |    | ☆  | ☆       |       | ☆          | ☆               |     | ☆       |              |     |         | ☆         | ☆           | ☆       | ☆           | ☆       |
|           |    | ☆  | ☆       |       | ☆          | ☆               |     |         |              |     |         | ☆         | ☆           | ☆       | ☆           | ☆       |
|           | ☆  |    |         | ☆     | ☆          | ☆               |     |         |              |     |         | ☆         | ☆           | ☆       | ☆           |         |
|           | ☆  |    |         | ☆     | ☆          | ☆               | ☆   |         |              |     |         |           |             |         |             |         |
|           |    | ☆  | ☆       |       | ☆          | ☆               | ☆   |         |              |     |         |           |             |         |             |         |
|           |    | ☆  | ☆       |       | ☆          | ☆               |     |         |              |     |         |           |             |         |             |         |
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|           | ☆  |    |         | ☆     | ☆          |                 |     |         |              |     |         |           |             |         |             |         |
|           |    | ☆  | ☆       |       | ☆          |                 |     |         |              |     |         |           |             |         |             |         |
|           |    | ☆  | ☆       |       | ☆          |                 |     |         |              |     |         |           |             |         |             |         |