

## E0C33 Family GRAPHIC33 Middleware

### Graphic library

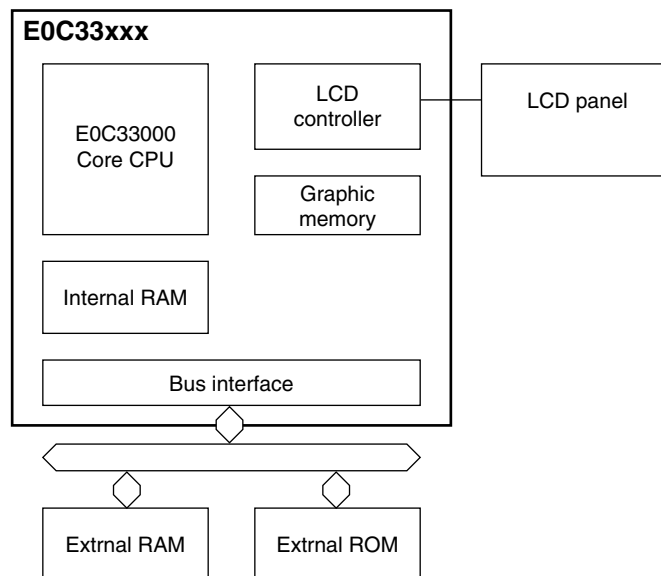
Preliminary

- Graphics library for the E0C33 Family
- Supports various greyscale, from 1, 2, 4, or 8bpp colors to monochrome
- Comes with the user interface resources necessary for GUI implementation

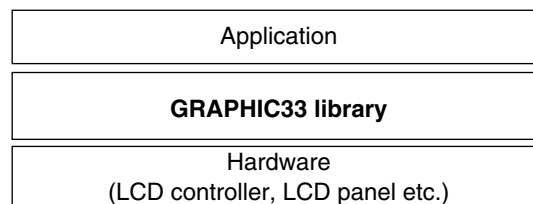
#### ■ FEATURES

- This is a graphics library for the E0C33 Family provided in linkable library form. User interface resources required for GUI implementation are also available.
- Supports various greyscale from 1, 2, 4, or 8bpp colors to monochrome.
- Optimized for use with the E0C33 Family; library is fast and compact.
- Allows for advance evaluation using an emulation library running on a PC.
- Ideally suited for applications making use of LCD panels, including PDAs, electronic toys, and electronic stationery.

#### ■ HARDWARE CONFIGURATION



#### ■ SOFTWARE CONFIGURATION



# E0C33 Family GRAPHIC33 Middleware

## ■ PRIMARY USER INTERFACE RESOURCES

Resorce	Description
Form window	Standard window
Pop-up window	Used to display alert information
Text window	Displays text.
Command button	Command execution button
Check box	Square box - checked when selected
Radio button	Round button that can be selected from a group of buttons

## ■ PRIMARY GRAPHIC FUNCTIONS

Function	Description
gpcDrawPoint	Draws a point.
gpcDrawLine	Draws a line.
gpcDrawRect	Draws a rectangle.
gpcFillRect	Fills a rectangle.
gpcInvvertRect	Reverses a displayed area.
gpcDrawEllipse	Draws an ellipse.
gpcFillEllipse	Fills an ellipse.
gpcDrawCircle	Draws a circle.
gpcFillCircle	Fills a circle.
gpcDrawArc	Draws an arc.
gpcDrawText	Outputs text.
gpcPutImage	Outputs an image.
gpcGetImage	Captures an image.

\* This middleware is only available with the IC (E0C33 Family).  
This specification may change without notice.