

using a graphical desktop on your embedded machine

ESE3005

get a suitable Linux distribution

- source vendor website, e.g.,
 - NXP main page
 - for Beaglebone, beagleboard.org
 - for Raspberry Pi, get raspbian Linux
- flash a micro SD card with the distribution, but leave some extra space on it for working with the OS;
 - use a suitable partitioning tool like gparted
 - after flashing your Linux image to the micro-SD card, extend the partition using gparted
- ensure that your graphical Linux boots and works with your HDMI display

install Qt natively

- ensure that you have a working Internet connection on your embedded platform (e.g., Beaglebone)
- install:
 - qt5-default
 - qtcreator
- run some examples
- check out the Qt Temperature Sensor GUI Application starting on pg. 621, try to get it working