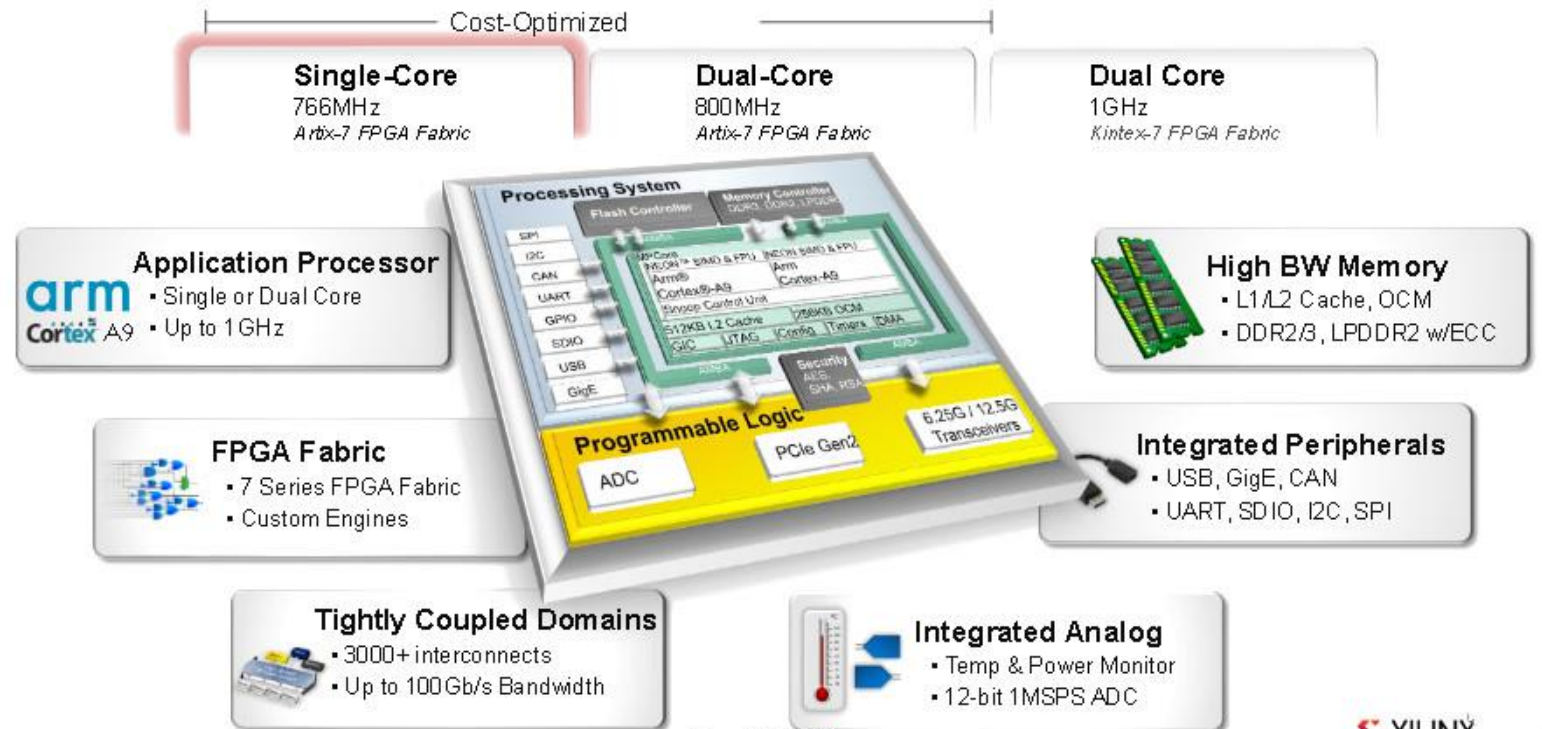


Zynq 7000: Linux start guide, AXI GPIO example



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```
sudo apt-get install -y gcc git make net-tools libncurses5-dev tftpd zlib1g-dev libssl-dev flex  
bison libselinux1 gnupg wget diffstat chrpath socat xterm autoconf libtool tar unzip texinfo  
zlib1g-dev gcc-multilib build-essential libsdl1.2-dev libglib2.0-dev zlib1g:i386 screen pax  
gzip gawk
```

```
sudo -s  
mkdir -p /opt/pkg/petalinux  
chown <your_user_name> /opt/pkg/  
chgrp <your_user_name> /opt/pkg/  
chgrp <your_user_name> /opt/pkg/petalinux/  
chown <your_user_name> /opt/pkg/petalinux/  
exit  
cd ~/Downloads  
./petalinux-v2017.4-final-installer.run /opt/pkg/petalinux
```

```
source /opt/pkg/petalinux/settings.sh
```

```
petalinux-create --template zynq --type project --name test  
cd test  
petalinux-config --get-hw-description=project_vivado.sdk  
petalinux-build  
petalinux-package --boot --format BIN --fsbl ./images/linux/zynq_fsbl.elf --fpga  
./images/linux/design_1_wrapper.bit --u-boot
```

