

# WAVE

# Waveform Architecture for Virtualized Ecosystems

Standardize, Virtualize, Revolutionize

## Benefits for All

### Freedom



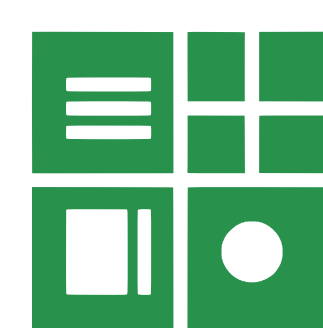
No Vendor Lock  
Software Migration Path  
Flexibility and Agility

### Performance/Cost



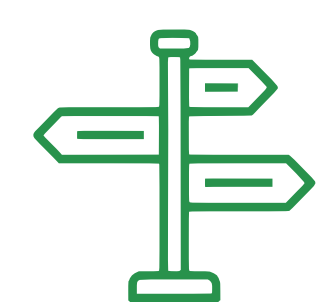
Spectral Efficiency  
Maximized Performance  
Minimized TCO

### Standards Based Ecosystem



Virtualization Standard  
Portable Solutions  
High-Performance Compute

### Path Forward



Future Product Opportunities  
Product Transition Plan

### Revitalized Market



Wider Market Opportunities  
Easier Market Penetration  
New Market Opportunities

### Increased Innovation



Application Innovation  
Faster Development

## WAVE-Gateway Hardware

### U55C FPGA Accelerator



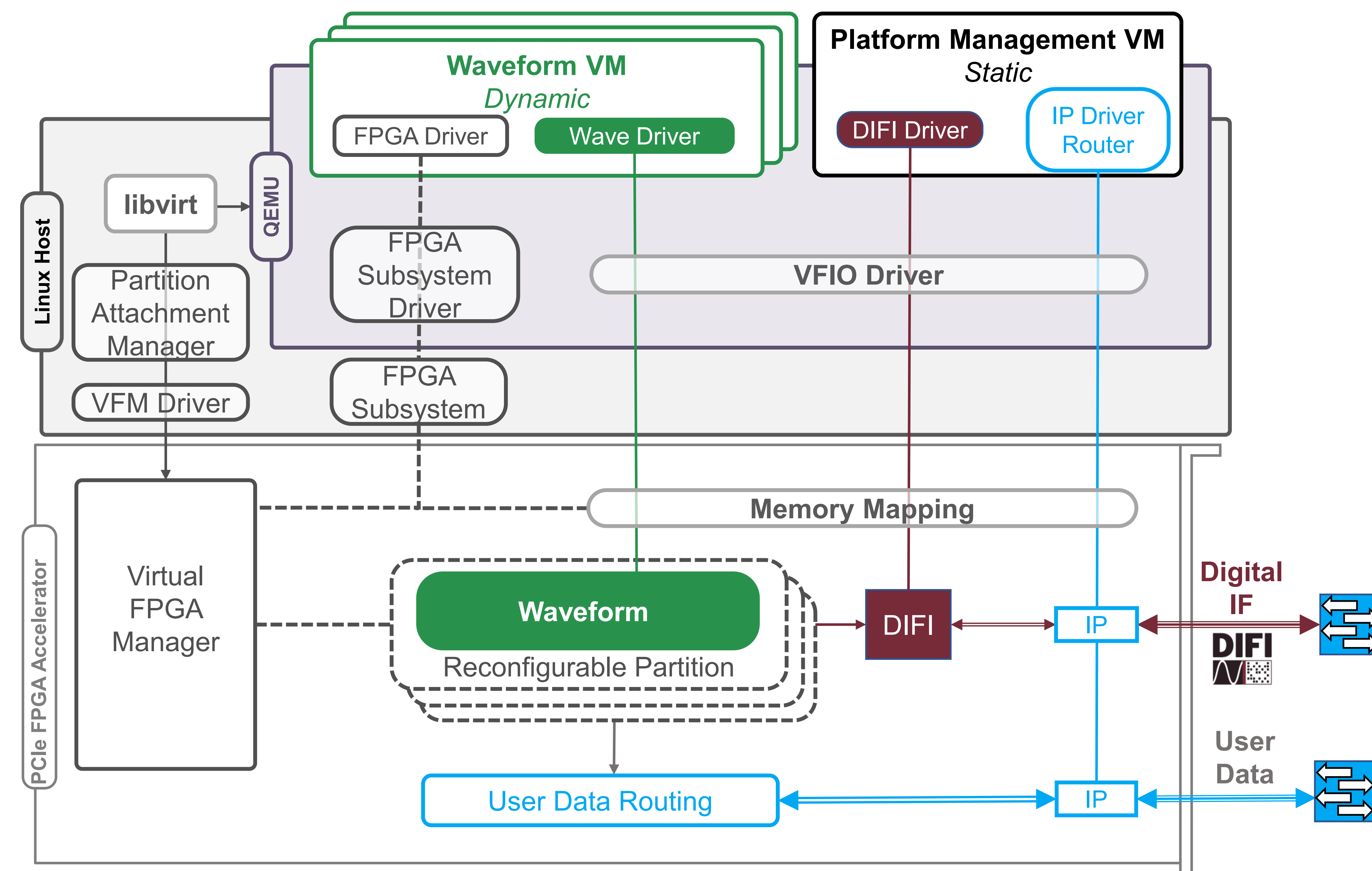
### Estimated Costs

Parameter/Platform	Comtel & 19 U55C
Rack Units	4
Estimated Power (Watts)	4400
DVB-SX Waves	114
CapEx	\$ 125,000.00
Hardware CapEx/Wave	\$ 1,052.63
RU/Wave	0.04
Watts/Wave	38.60
Monthly OpEx RU/Wave	\$ 1.67
Monthly OpEx Power/Wave	\$ 4.55
Monthly RU & Power OpEx/Wave	\$ 6.22
Extrapolated Monthly OpEx/Wave	\$ 11.55

### Gateway Compute Platform



## WAVE Architecture v0.0



## WAVE Objectives

**WAVE-Gateway**

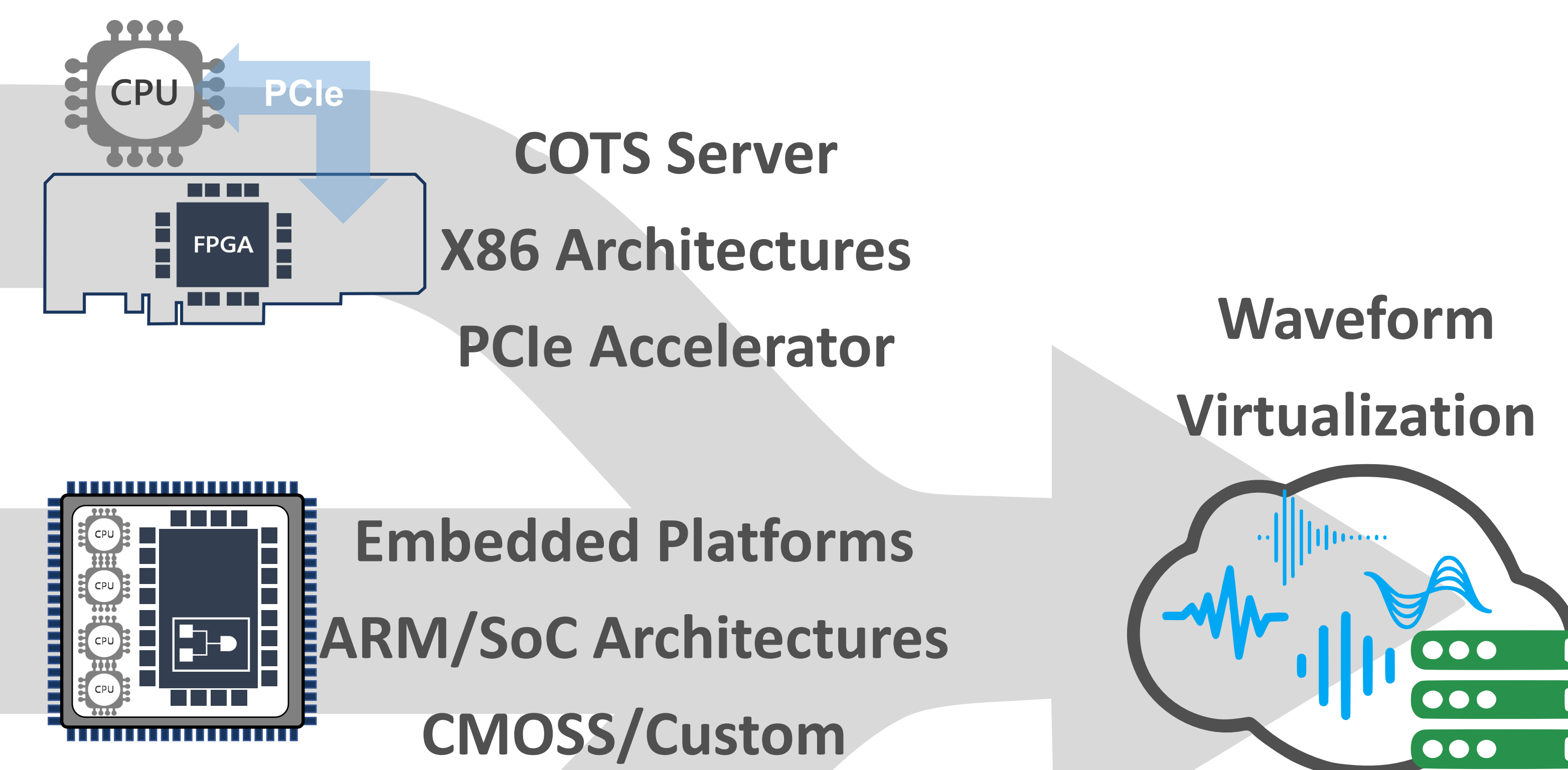
CPU, PCIe, FPGA, COTS Server, X86 Architectures, PCIe Accelerator

**WAVE-Terminal**

Embedded Platforms, ARM/SoC Architectures, CMOSS/Custom

**WAVE-Form**

Containerized, Portable, Licensable



WAVE Specs/Docs

