WanStaX OpenFlow API

OpenFlow Enabled WinPath Data Plane

ONF OPEN NETWORKING FOUNDATION

civica

Transforming the way you work

The explosion in the number of mobile devices and content, server virtualization, and advent of cloud services are among the trends driving the networking industry to re-examine traditional network architectures.

Software Defined Networking (SDN) is an emerging network architecture where network control is decoupled from forwarding and is directly programmable.

SDN aims to deliver a new paradigm of network architecture and management which will dovetail with the trends in computing virtualisation, the rise of cloud services and dynamically changing traffic patterns.

The flexibility and high throughput of Microsemi's Win Path Network processor portfolio makes it an ideal technology choice for network elements that customers need to be 'SDN Ready'.

Civica's WanStaX software portfolio includes the necessary features to support OpenFlow-based forwarding, in parallel with 'traditional' network architectures which makes it easy for enterprises and carriers to progressively introduce Open Flow based SDN technologies when WanStaX is deployed.
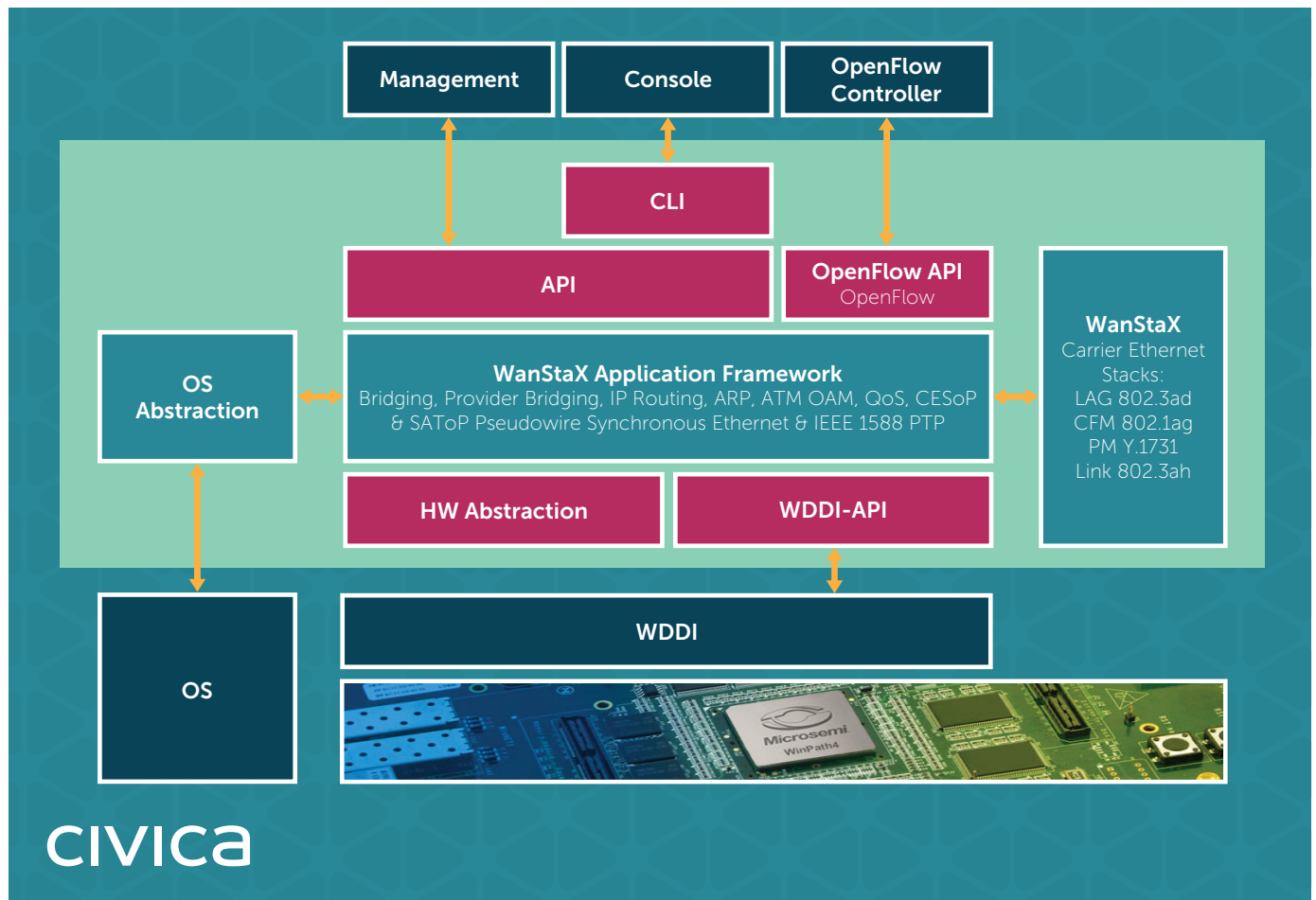
Features

- ▶ OpenFlow-Hybrid switch.
- ▶ All OpenFlow 1.3.4 mandatory features supported.
- ▶ Integration with EOAM, CFM and LAG.
- ▶ VLAN and PBB support.
- ▶ Quality of Service and PCP/DSCP remark support.
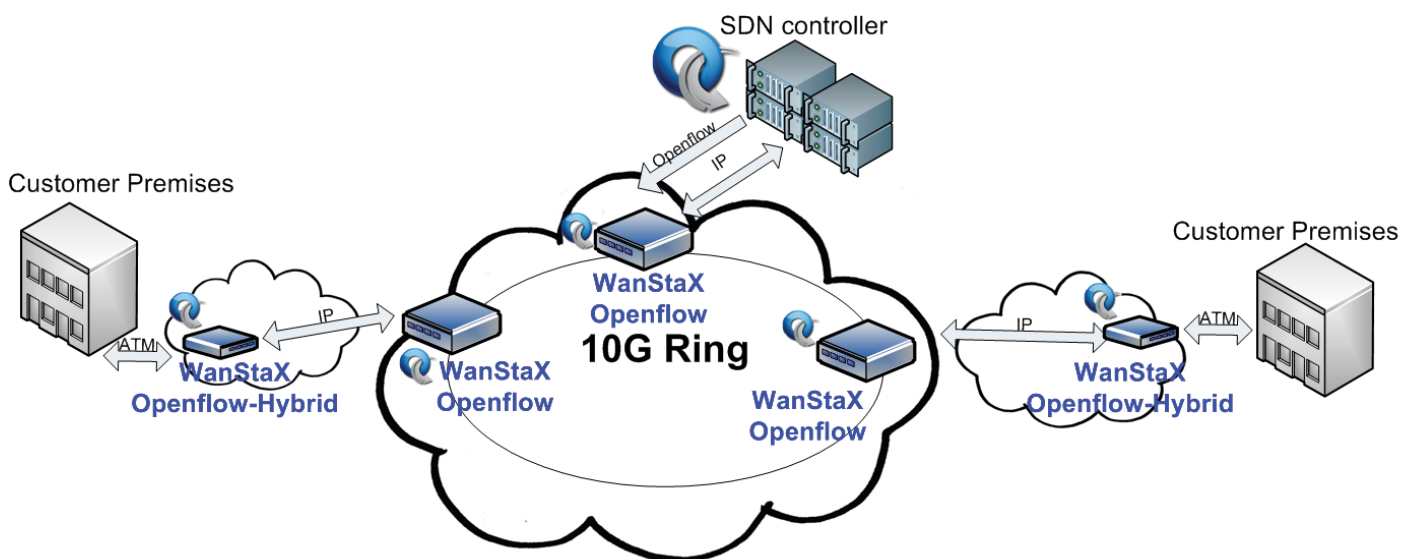- ▶ Advanced metering support.

Compatibility

- ▶ Microsemi's WinPath network processor family including WinPath3, WinPath3SL and WinPath4 running WDDI 4.2 or later.

WanStaX Application Framework

Example Diagram of WanStaX OpenFlow

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