

# MEET THE FX-14™ ASIC FROM GLOBALFOUNDRIES

Data traffic and bandwidth demands have exploded, driving the need for higher-performance, highly optimized semiconductor solutions.

## THE LANDSCAPE: Communications Networks and Cloud in Transition

BY 2019:



**1 million**

minutes of video will cross the network per second



Mobile data traffic will reach

**24.3 exabytes/month<sup>1</sup>**

BY 2020:



**90%**

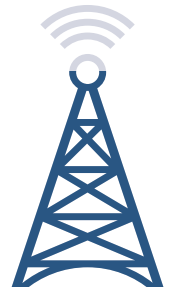
of the world's population over six years old will have a **mobile phone**



**70%**

of the world's population will have a **smartphone**

and roughly  
→



**90%**

will be covered by mobile broadband **networks<sup>2</sup>**

## THE CHALLENGE:

Next-generation systems for cloud and communications must deliver more performance and handle more complexity than ever before.



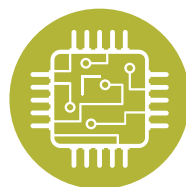
## THE SOLUTION: FX-14 ASIC from GLOBALFOUNDRIES

A comprehensive offering that helps customers deliver customized silicon solutions to stay ahead of marketplace dynamics.



### Why Choose It

- Leading-edge ARM® 64-bit processors
- Ultra-high performance 56G SerDes
- Fastest embedded networking TCAM in the industry
- High performance and high density embedded SRAMs
- Cutting-edge 14LPP technology



### Why It's Different

- Deep expertise that has helped customers bring some of the industry's most complex ASICs to market
- Production-proven design methodology that builds on strong record of first-time-right results to help reduce development costs and time-to-market



### Why It's Important

- Delivers continued best-in-class performance for the wired and wireless network infrastructure
- Gives customers the ability to take performance to new levels for evolving cloud and data center architectures
- Provides power efficiency and complex integration to fuel 5G infrastructure and next-generation mobile devices



GLOBALFOUNDRIES®

Put the FX-14 ASIC offering to work for you. Visit [GLOBALFOUNDRIES.com](http://GLOBALFOUNDRIES.com)

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1. Cisco. "Cisco Visual Networking Index: Forecast and Methodology, 2014-2019 White Paper." May 2015. 2. Ericsson. "Ericsson Mobility Report: On the Pulse of the Networked Society." June 2015.