

HEAVY READING

Components

Insider

G.fast Turbocharges Next-Generation Access

TABLE OF CONTENTS

I. Introduction

II. Market Drivers

- Gigabit Broadband
- Telecom vs. Cable

III. Next-Generation Access Technologies

- Last-Mile Infrastructure
- Vectored VDSL2
- G.fast

IV. G.fast & DSL Devices

- Central Office/Distribution Point
- Customer Premises Equipment

V. Component Vendors

- Broadcom
- Ikanos
- Lantiq
- Sckipio

VI. Conclusions

Report Highlights

G.fast is the gigabit solution for telecom access over copper cables

Gigabit scalability is a key requirement for new solutions offering 100-500 Mbit/s broadband services

G.fast chipsets are available with or without integrated VDSL2 and ADSL2+ support

Two vendors are sampling G.fast chipsets, and two others are in development

Initial G.fast deployments from 2016 will support 100-500Mbit/s downstream and up to 200Mbit/s upstream

G.fast costs less than fiber solutions based on PON and is more flexible than VDSL2

VDSL2 with bonding and vectoring supports data rates over 200 Mbit/s

G.fast will enable telcos to compete effectively with fiber service providers in 2016

Use of this PDF file is governed by the terms and conditions stated in the Subscriber License Agreement included in this file. Any violation of the terms of this Agreement, including unauthorized distribution of this file to third parties, is considered a breach of copyright. Heavy Reading will pursue such breaches to the full extent of the law. Such acts are punishable in court by fines of up to \$100,000 for each infringement.