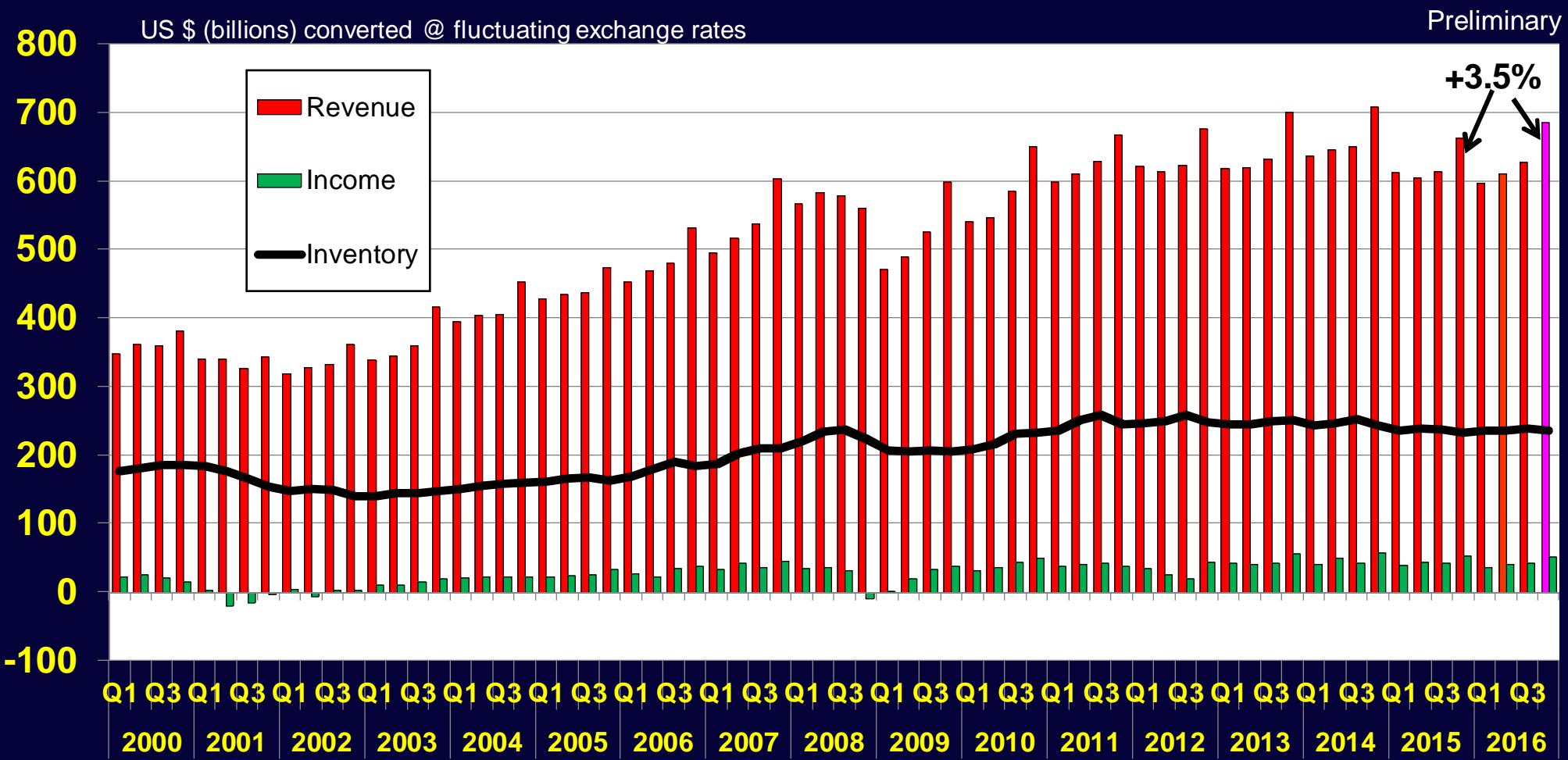


Chart 1

Electronic Equipment Suppliers Composite of 213 Public Companies

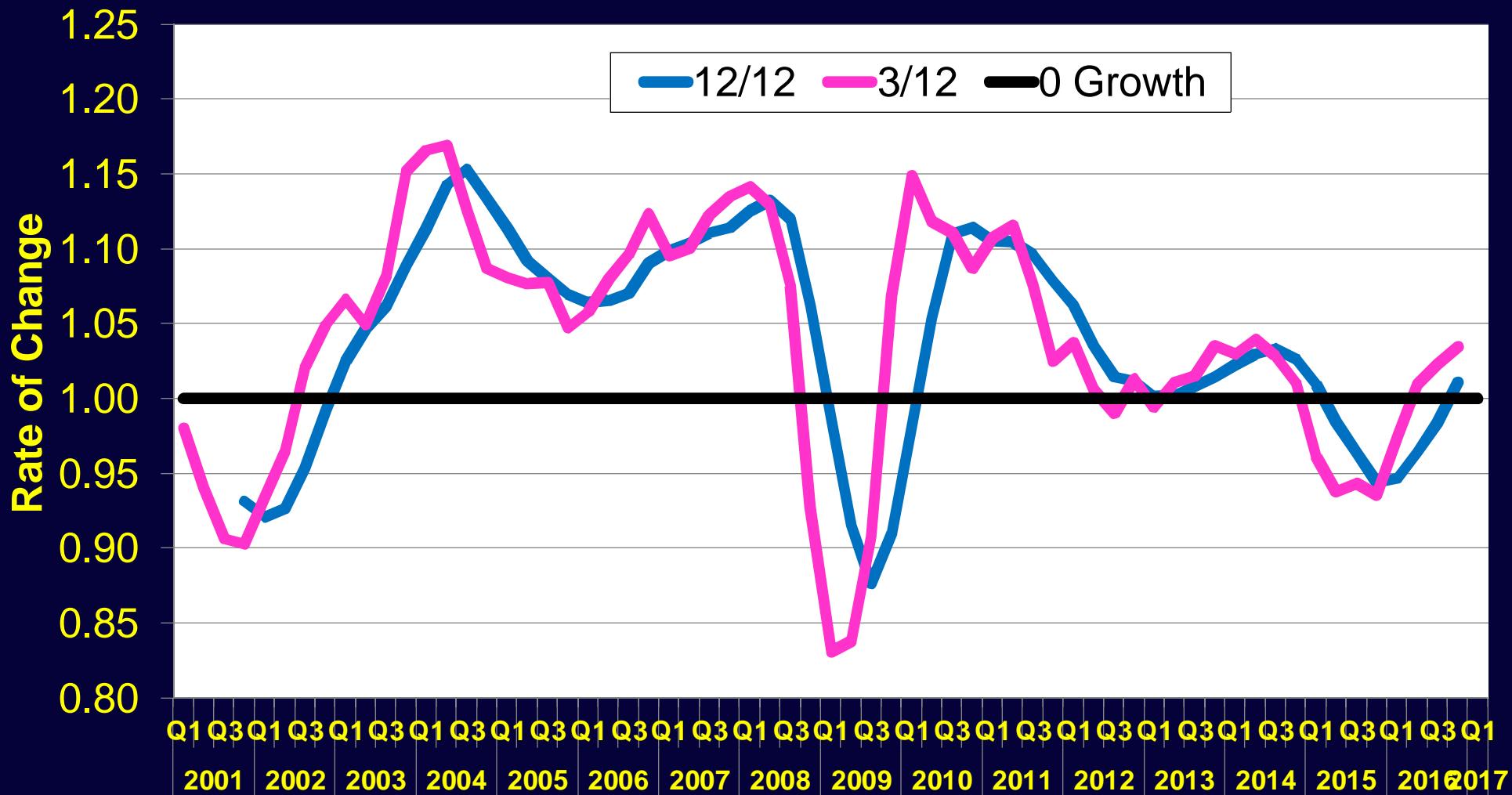
Revenue, Net Income & Inventory



Computer 13, Internet 13, Storage 17, Communication 30, SEMI 40, Medical 21, Instruments 16, Military 21, Business & Office 6, Consumer 21, Automotive 15

Chart 2

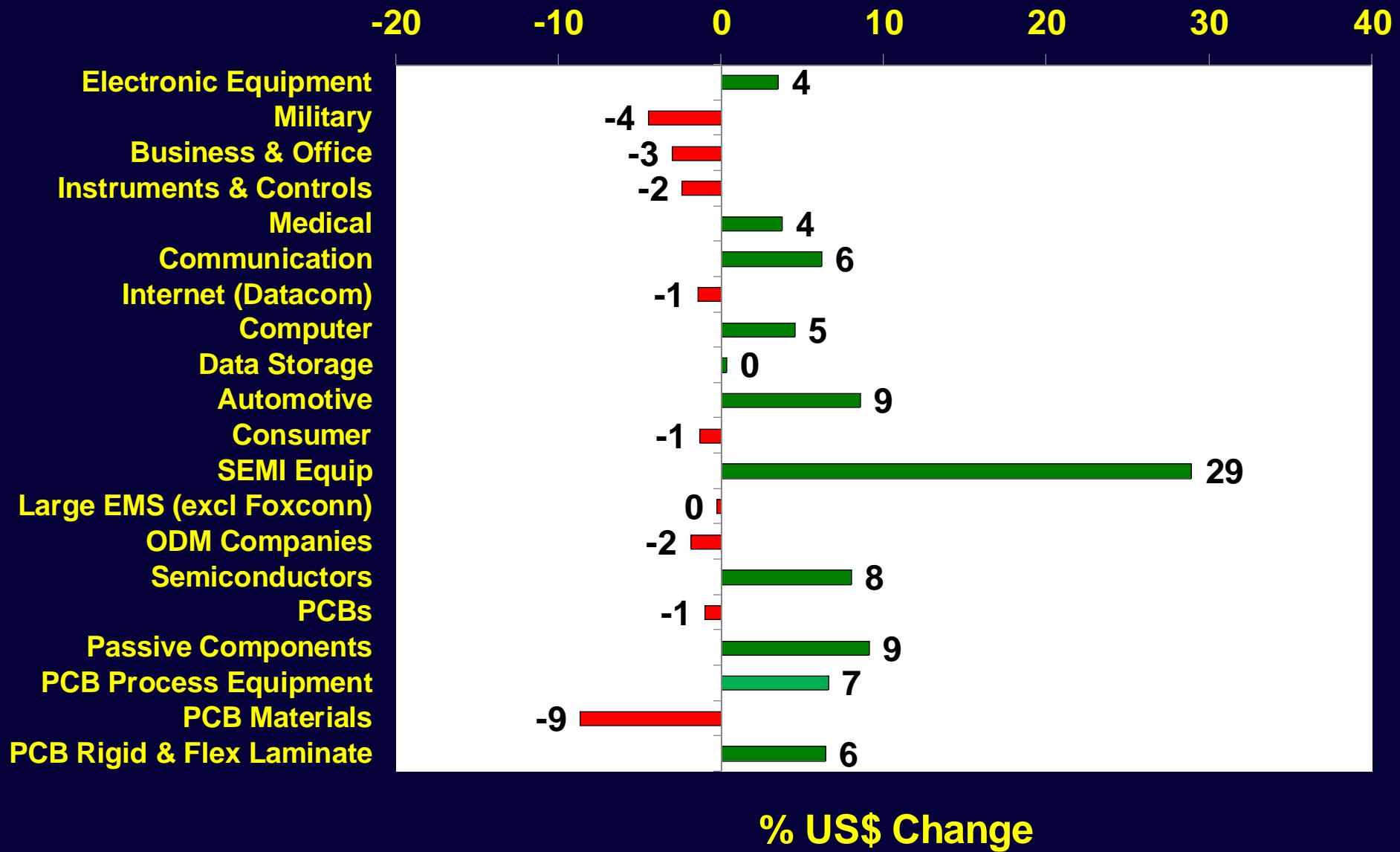
Global Electronic Equipment Shipment Growth 12/12 & 3/12 Rate of Change



213 OEM company sales composite

Chart 3

Global Electronic Supply Chain Growth 4Q'16 vs. 4Q'15

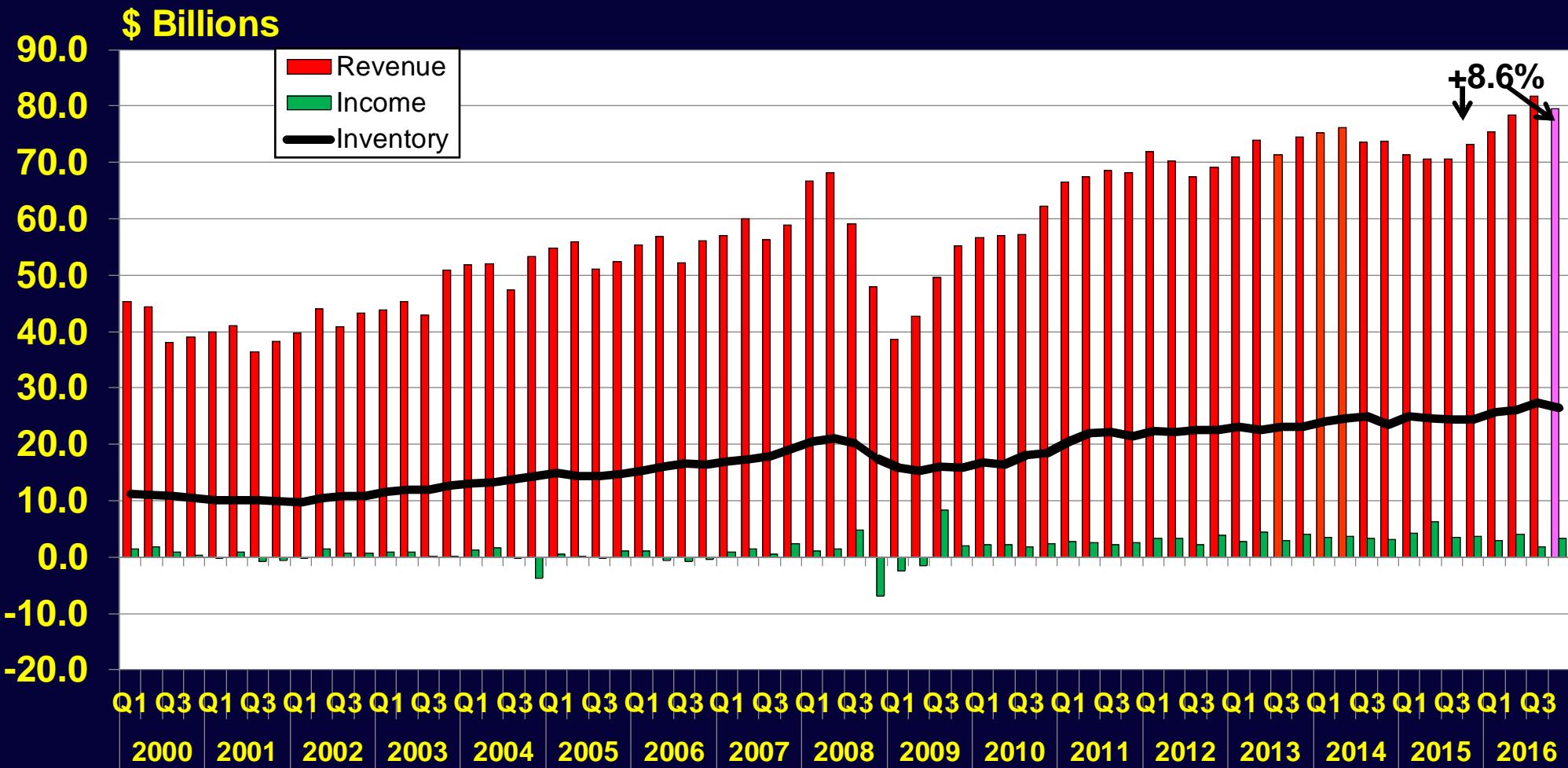


US\$ equivalent at fluctuating exchange; based upon industry composites including acquisitions

Chart 4

Automotive Equipment Suppliers Composite of 15 Public Companies

Revenue, Net Income & Inventory



Autoliv, Borg Warner, Continental AG, Delphi, Denso, Federal Mogul, Gentex, Hella, Johnson Controls, Lear, Magna, TRW Automotive, Valeo, Visteon, ZF Friedrichshafen

Chart 5

Automotive Equipment Suppliers Shipment Growth 12/12 & 3/12 Rate of Change

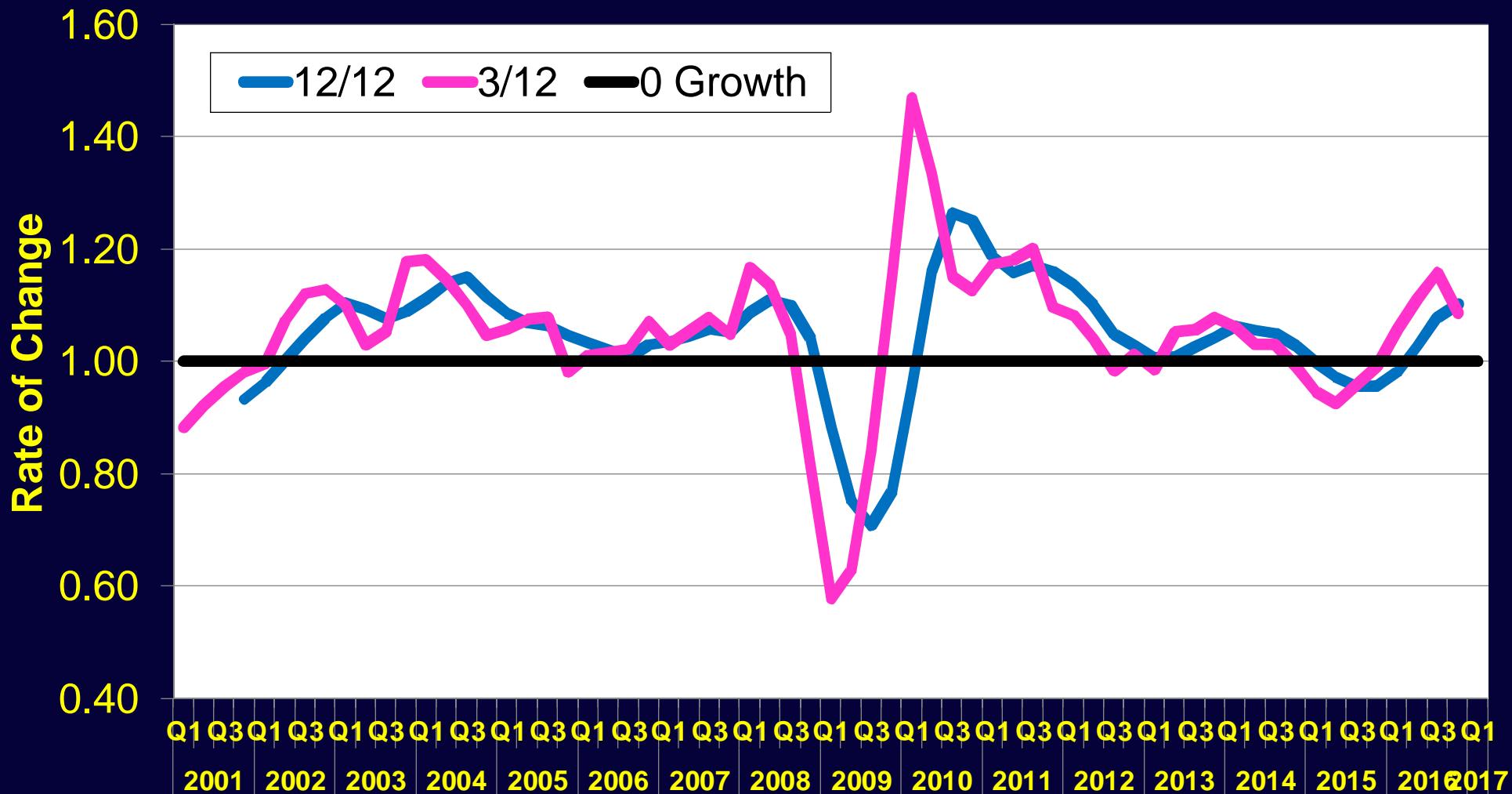
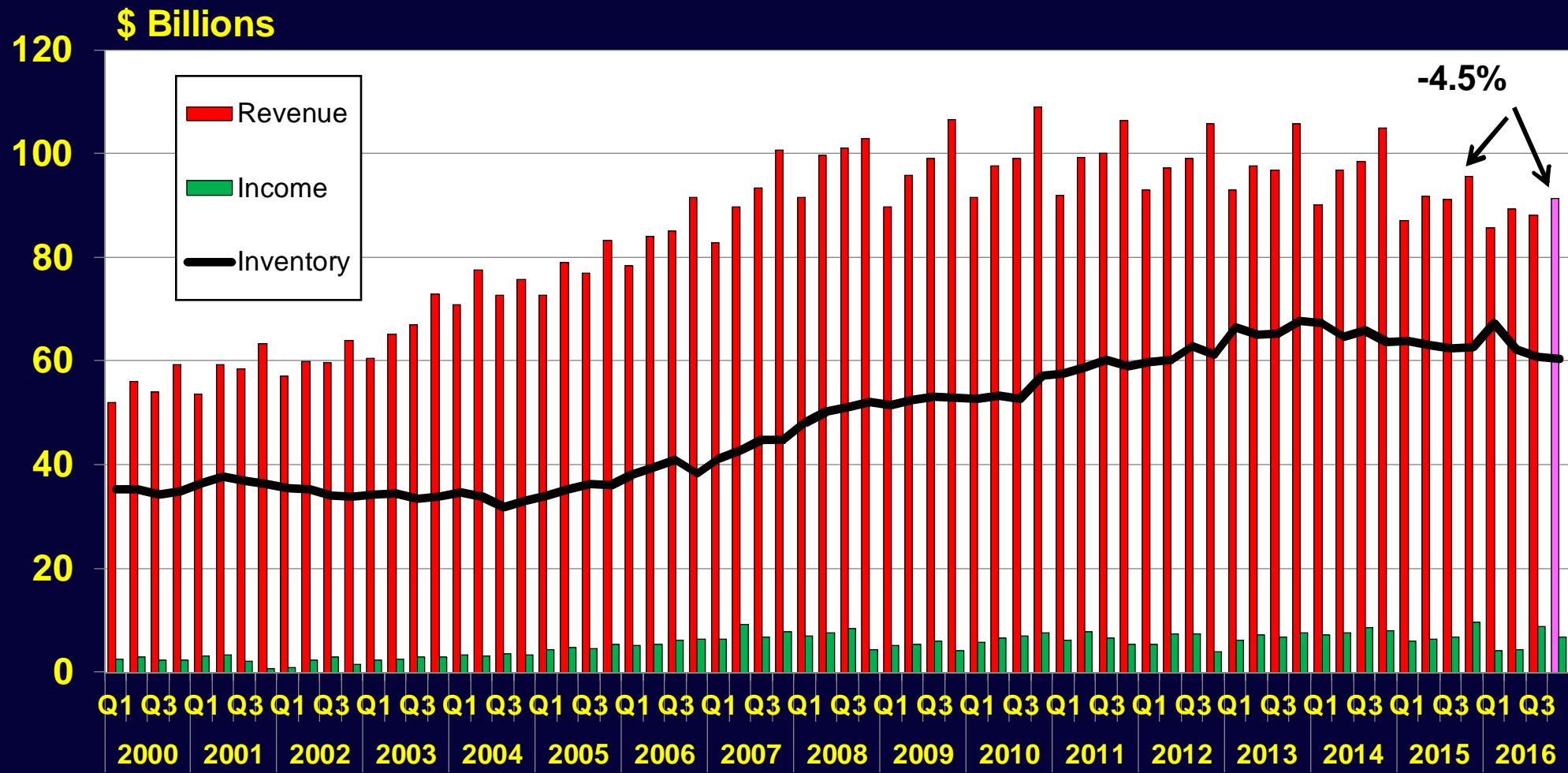


Chart 6

Military Equipment

Composite of 21 Public Companies

Revenue, Net Income & Inventory



Boeing (military portion), EADS (military portion), Finmeccanica, General Dynamics, Halliburton, Harris, Honeywell (military portion), L-3 Communications, Lockheed, Moog, Northrop Grumman, Raytheon, Rockwell Collins, Textron, Thales, United Technology

Chart 7

Global Military Equipment Shipment Growth

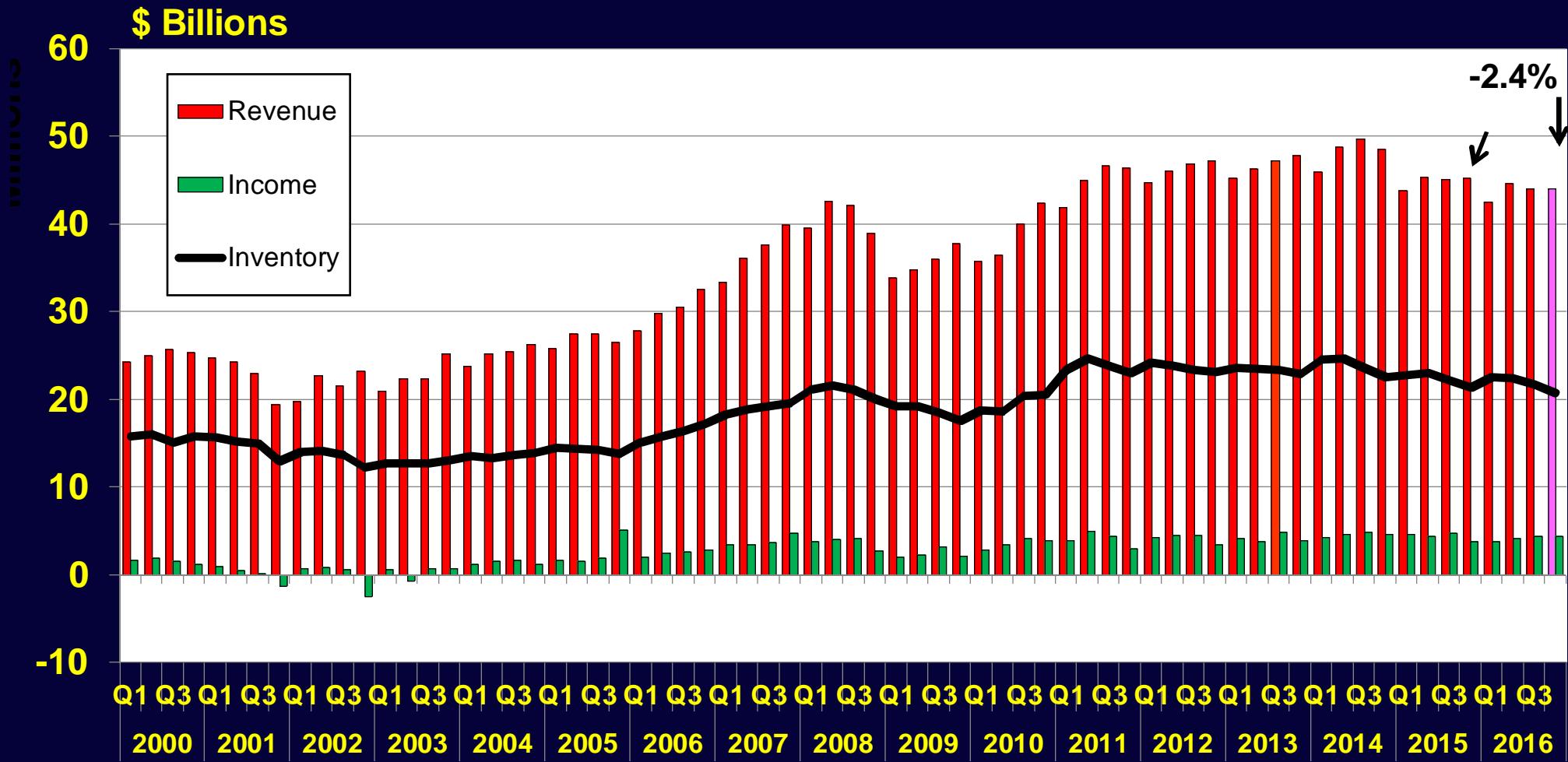
12/12 & 3/12 Rate of Change



Chart 8

Instruments & Control Equipment Composite of 16 Public Companies

Revenue, Net Income & Inventory



ABB, Agilent, Ametek, Emerson, Itron, Keysight, National Instruments, PerkinElmer, Rockwell Automation, Rotork, Teledyne, ThermoFisher, Woodward Govenor

Chart 9

Instruments & Control Equipment

12/12 & 3/12 Rate of Change

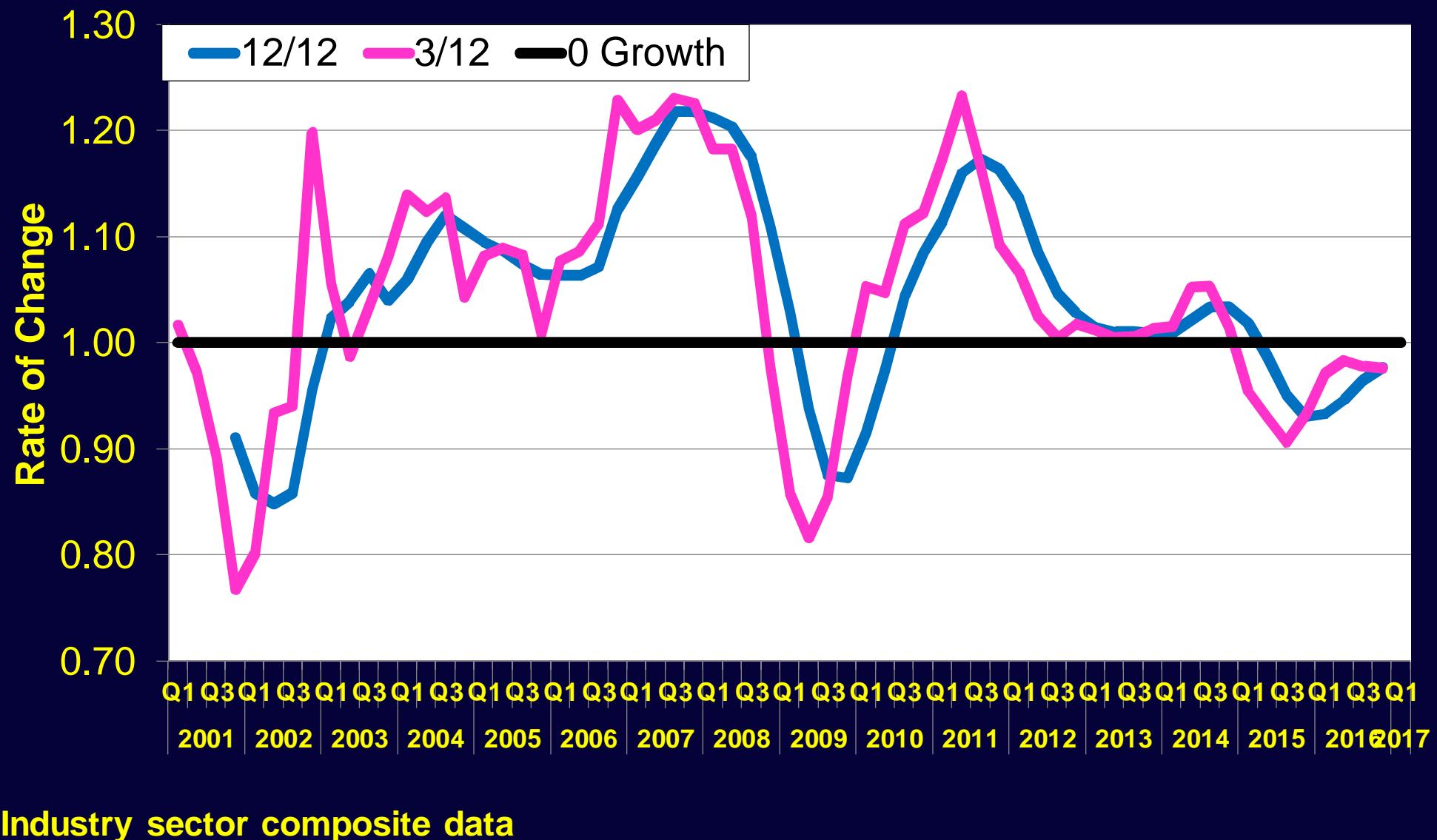
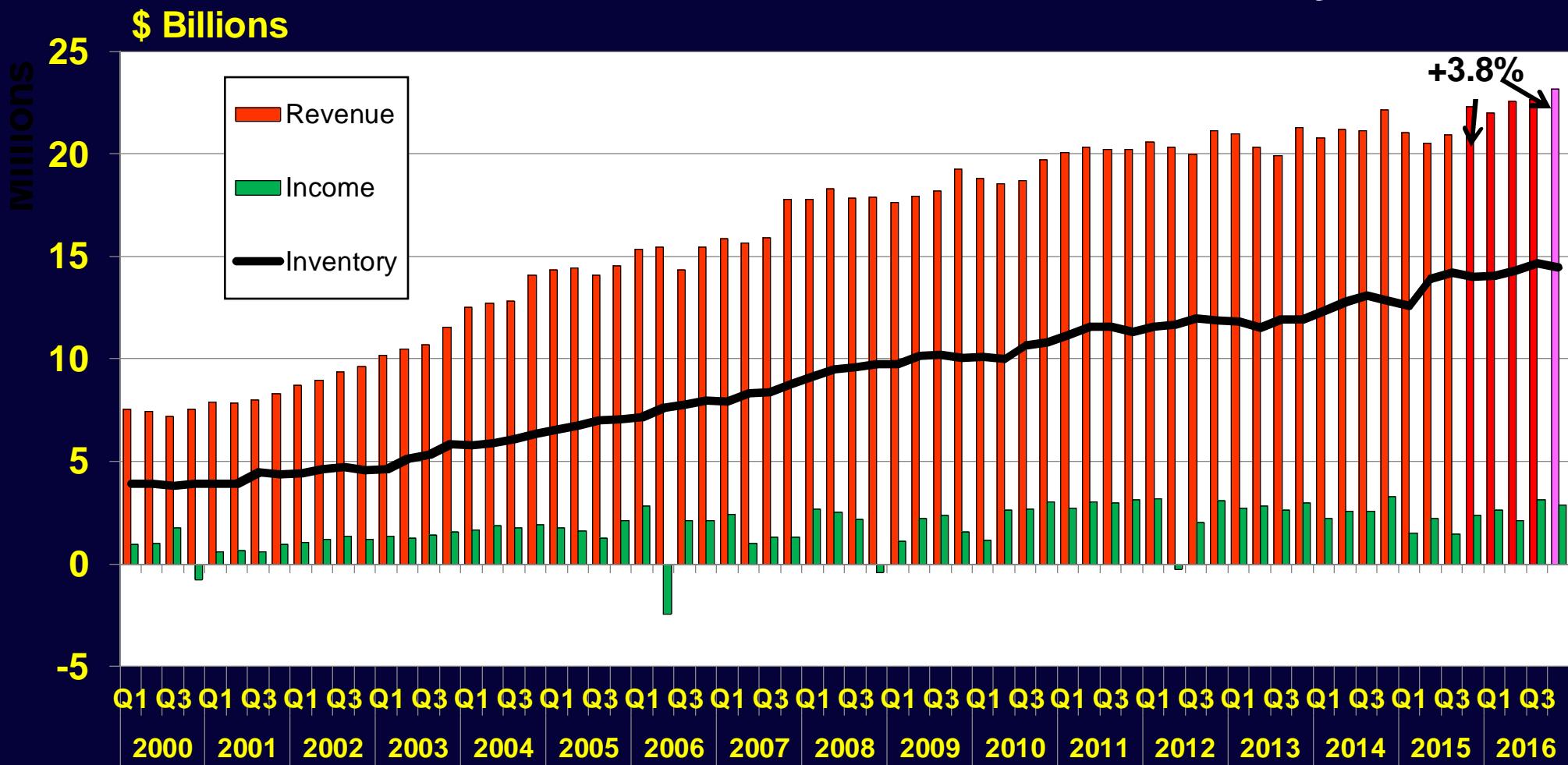


Chart 10

Medical Equipment Composite of 21 Public Companies

Revenue, Net Income & Inventory



Analogic, Bio-Rad Laboratories, Boston Scientific, Bruker, CareFusion, Covidien, Draeger, Guidant, Hill-Rom, Intuitive Surgical, Invacare, Medtronic, ResMed, St Jude Medical, Smith & Nephew, STERIS, Stryker, Varian Medical, Waters, Zimmer

Chart 11

Medical Equipment 12/12 & 3/12 Rate of Change

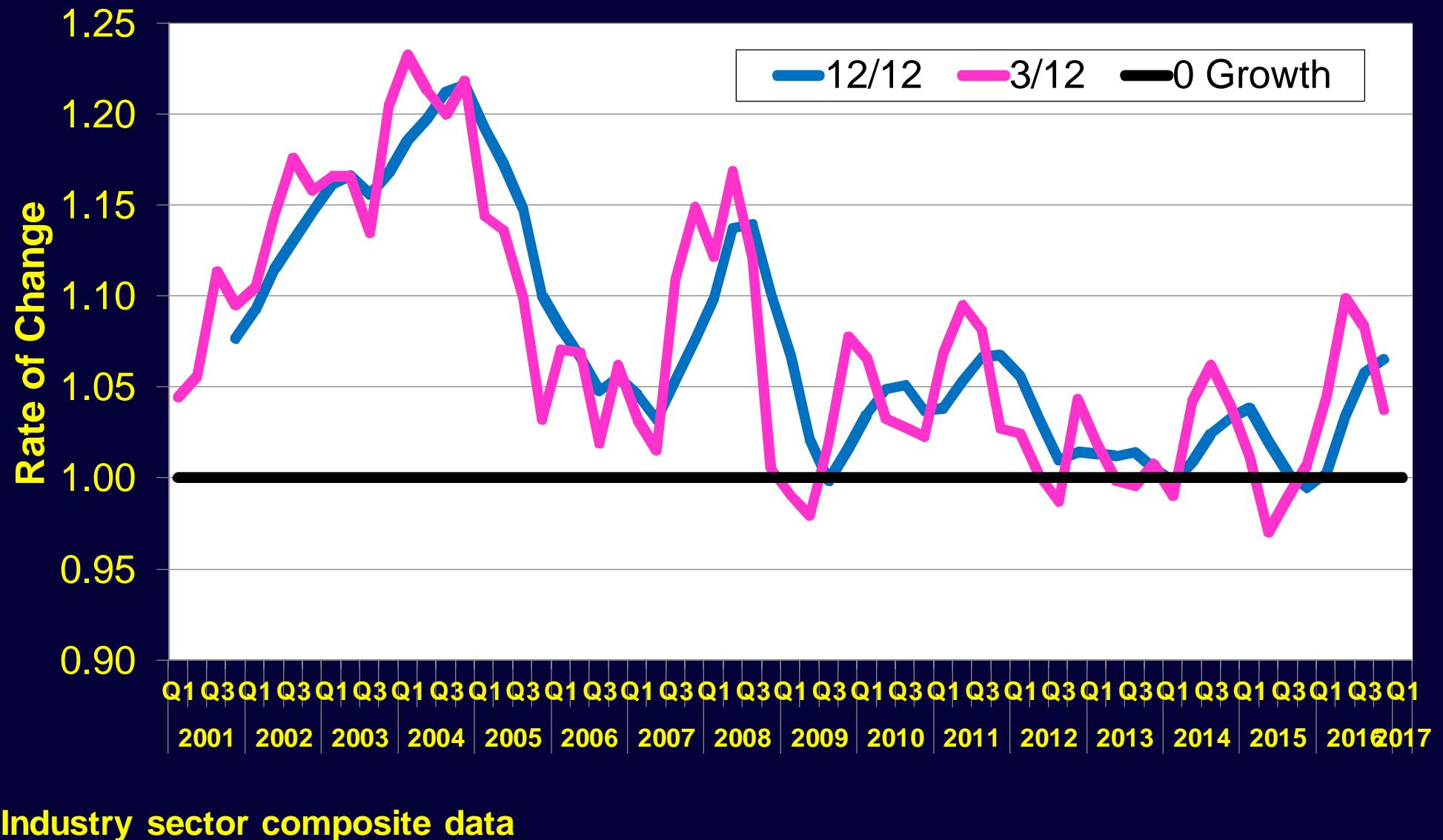
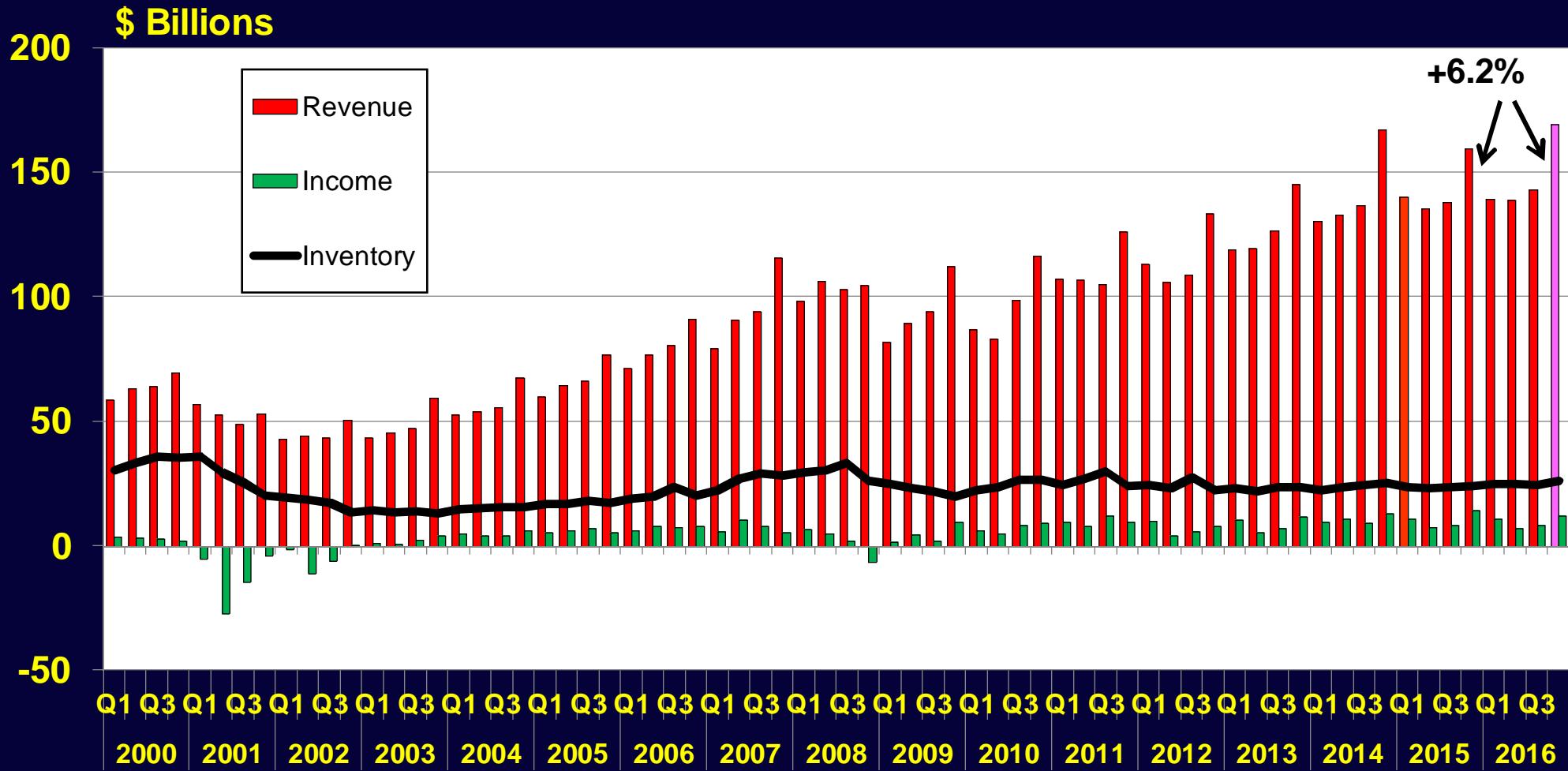


Chart 12

Communication Equipment Suppliers Composite of 30 Companies

10 mobile phone makers, 20 other telecom equipment makers plus estimate of other mobile makers

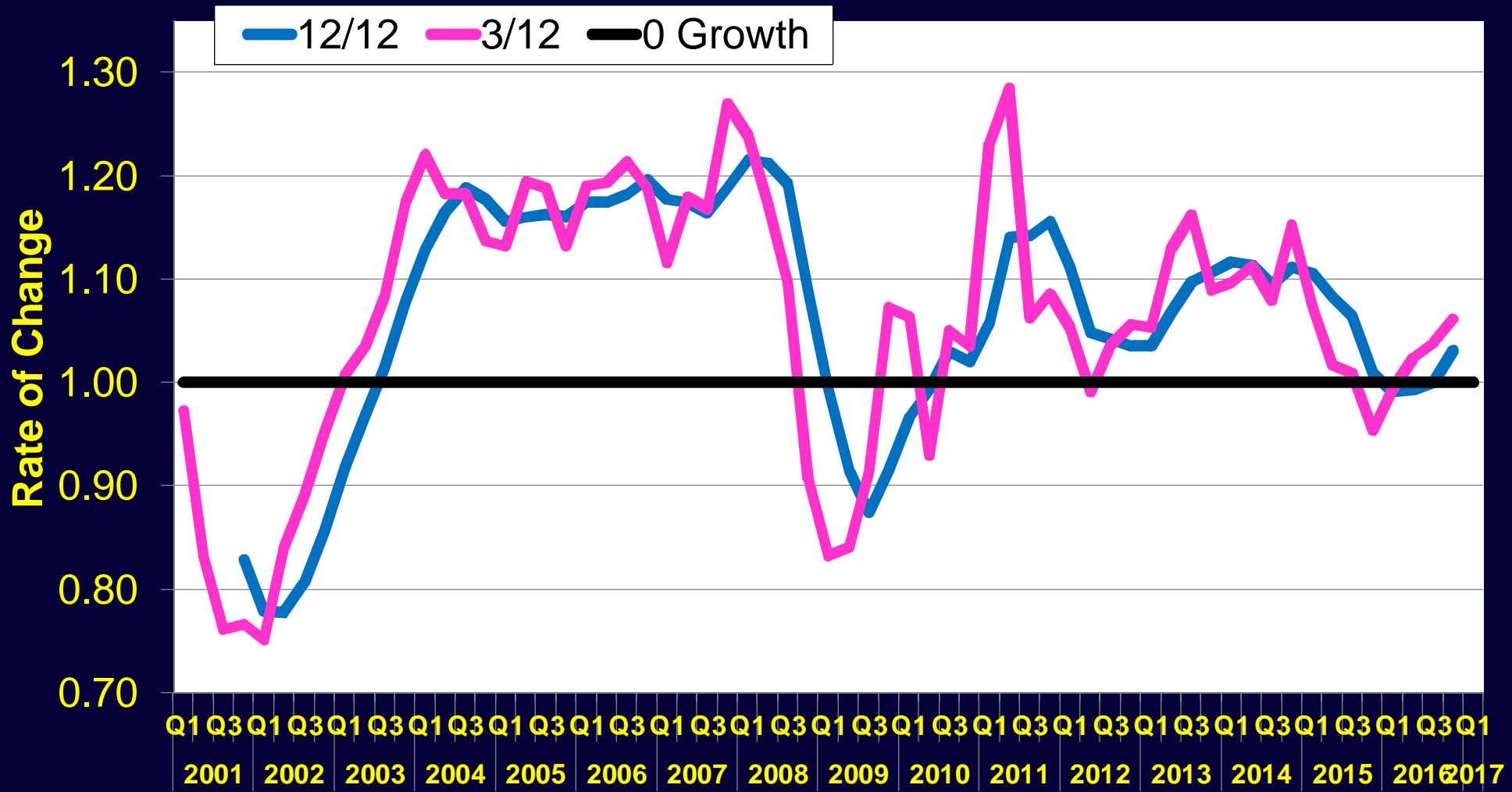
Revenue, Net Income & Inventory



3COM, ADC Telecom, Alcatel+Lucent, Ciena, Ericsson, Motorola Solutions, Nokia, Polycom, TellLabs, Palm, Adva Optical Networking, Arris Group, AudioCodes, Broadsoft, Fabrinet, Gigamon, Infinera, Ixia, Neophotonics, Radware ; Apple iPhone, HTC, Huawei Device, LG, Motorola Mobility, Nokia, RIM, Samsung, Sony Mobility, ZTE; Euros & Krona converted at fluctuating exchange; mobile phone volumes from company reports & Gartner Dataquest quarterly unit shipment estimates; historical data included for acquired companies

Chart 13

Communication Equipment Shipment Growth 12/12 & 3/12 Rate of Change



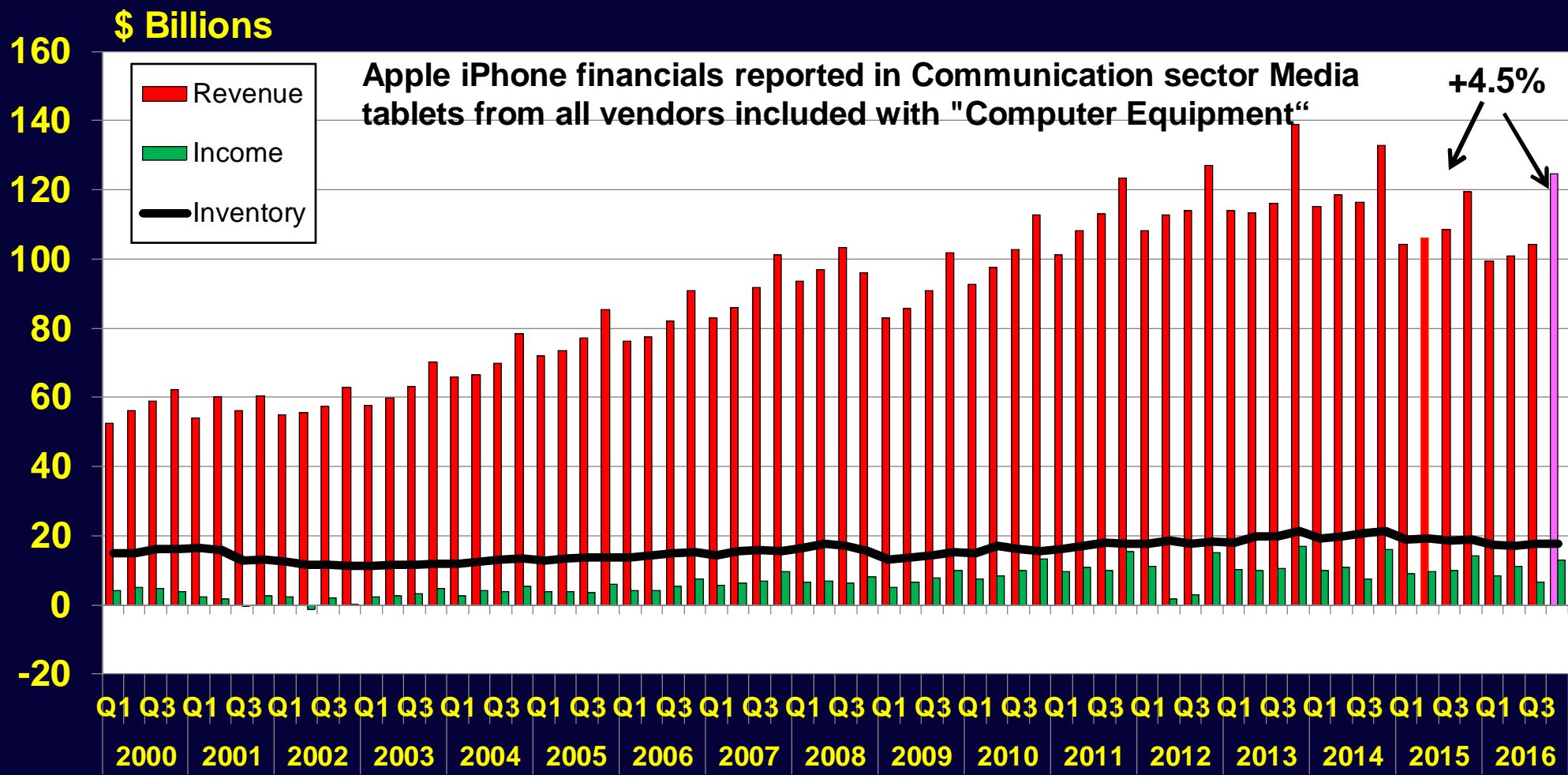
Industry sector composite data

Chart 14

Computer Equipment Suppliers

Composite of 13 Public Companies

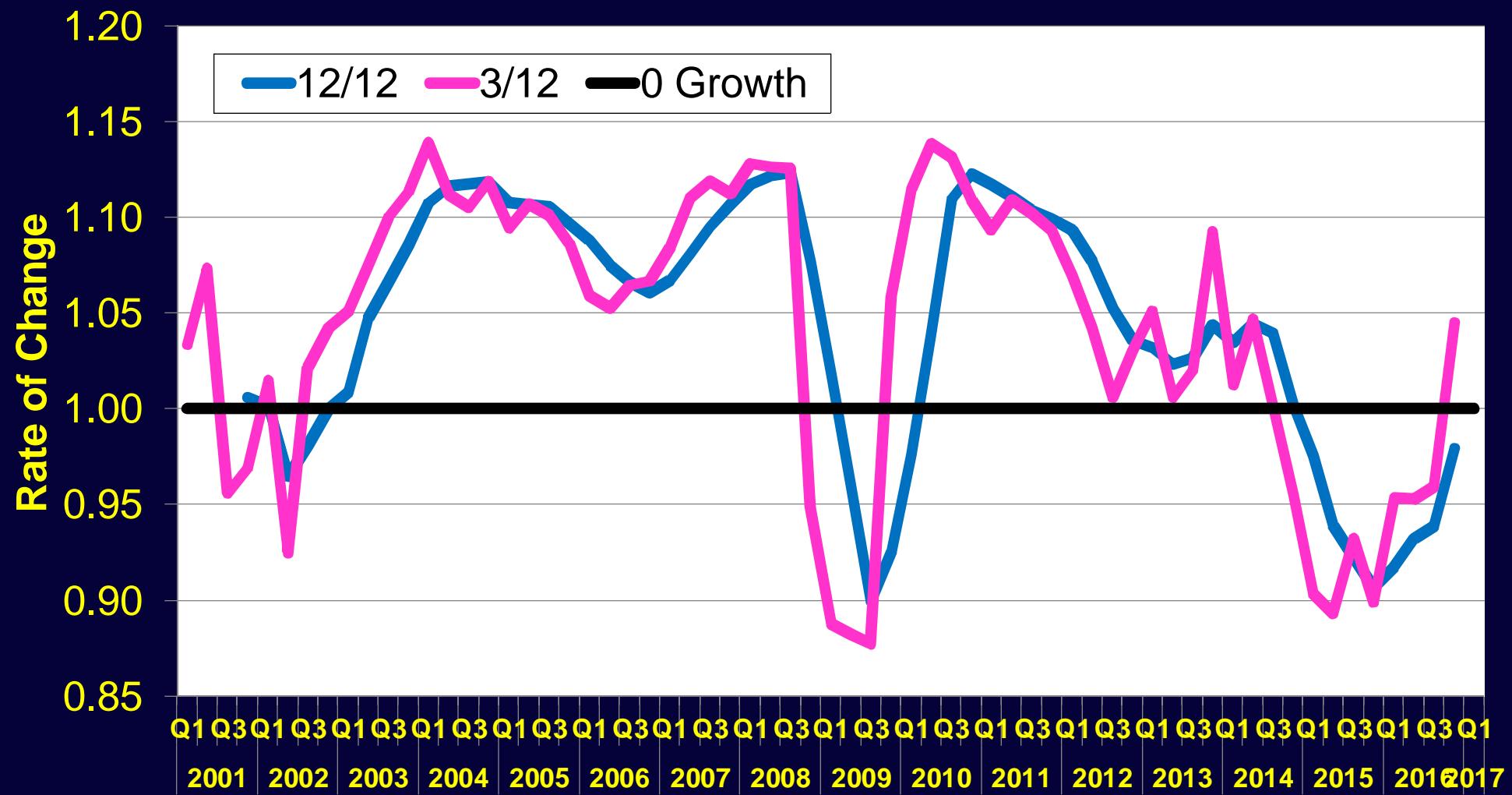
Revenue, Net Income & Inventory



Acer+Gateway, Apple, Creative Tech, Cray, Dell, HP, IBM, Lenovo, Mercury, NCR, Sun Micro, Unisys
Other vendors media tablet sales estimated from unit shipments

Chart 15

Computer Equipment Shipment Growth 12/12 & 3/12 Rate of Change

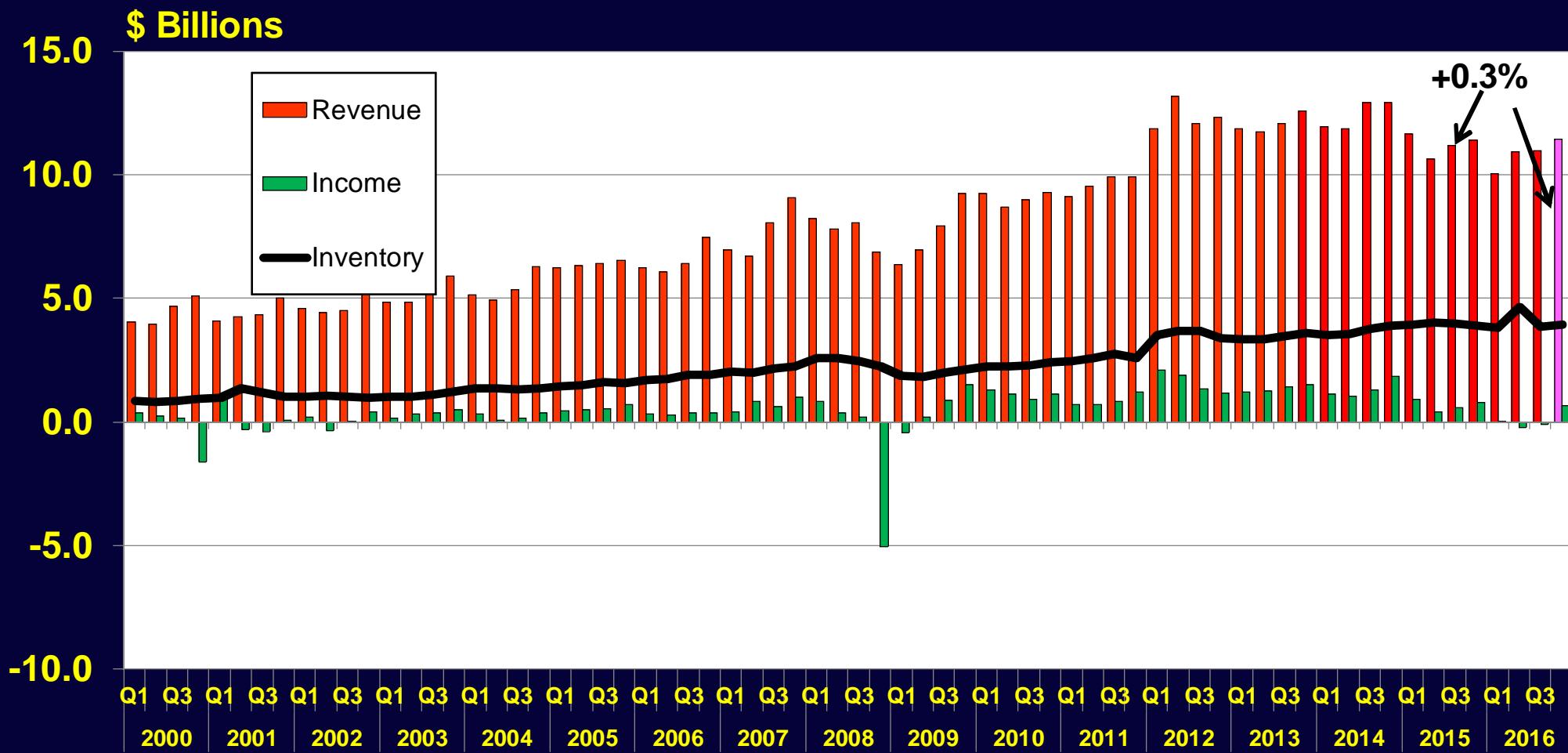


Industry sector composite data; includes media tablets

Chart 16

Data Storage Equipment Suppliers Composite of 17 Public Companies

Revenue, Net Income & Inventory



Brocade, Concurrent, Datalink, EMC, Iomega, Lexar, Maxtor, Network Appliance, Netlist, Nimble Storage, Qlogic, Quantum, Seagate, Storage Technology, Super Micro Computer, Western Digital, SanDisk.
Companies now no longer operating were included in historical data until they shut down

Chart 17

Data Storage Equipment Shipment Growth 12/12 & 3/12 Rate of Change

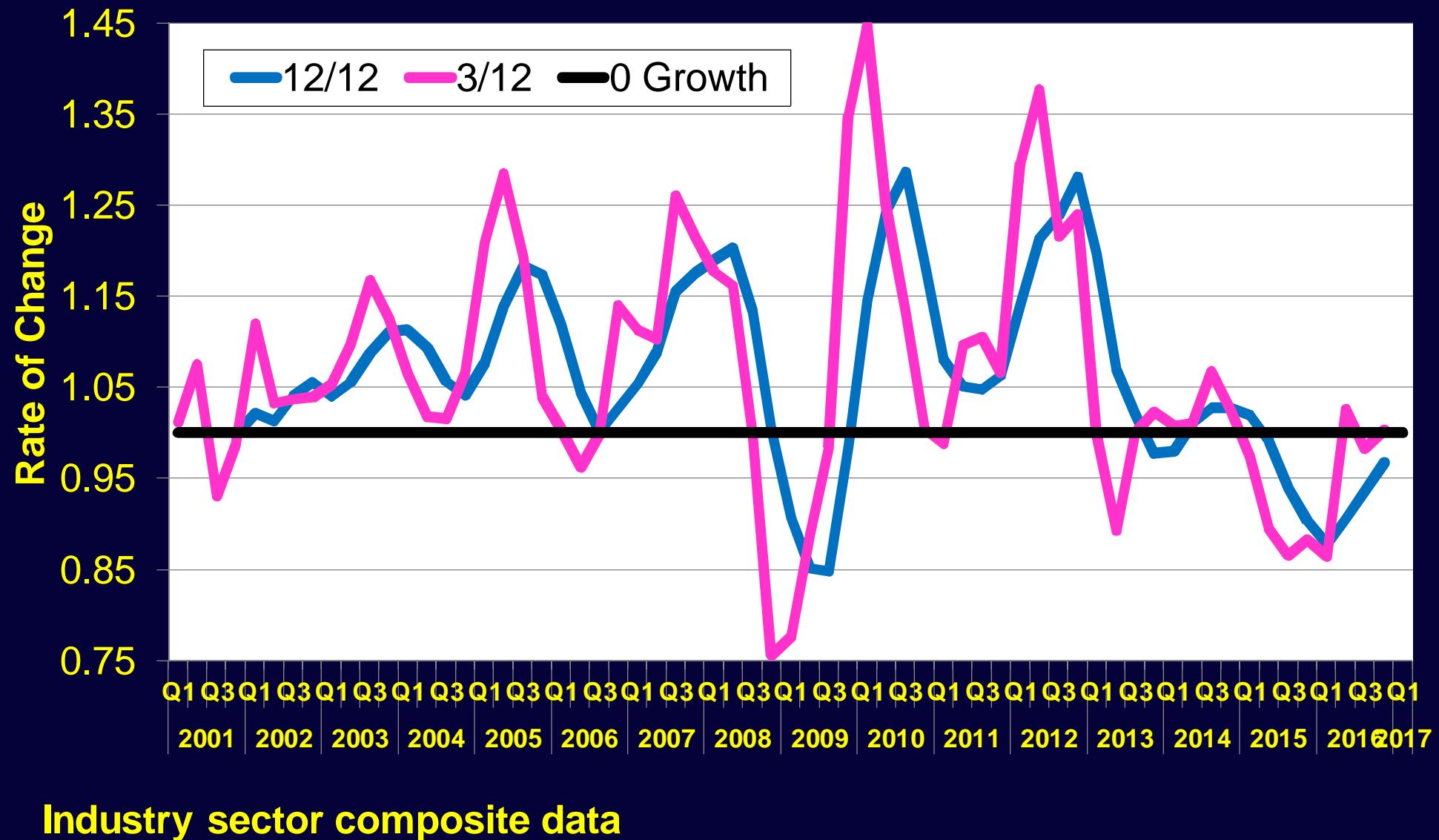
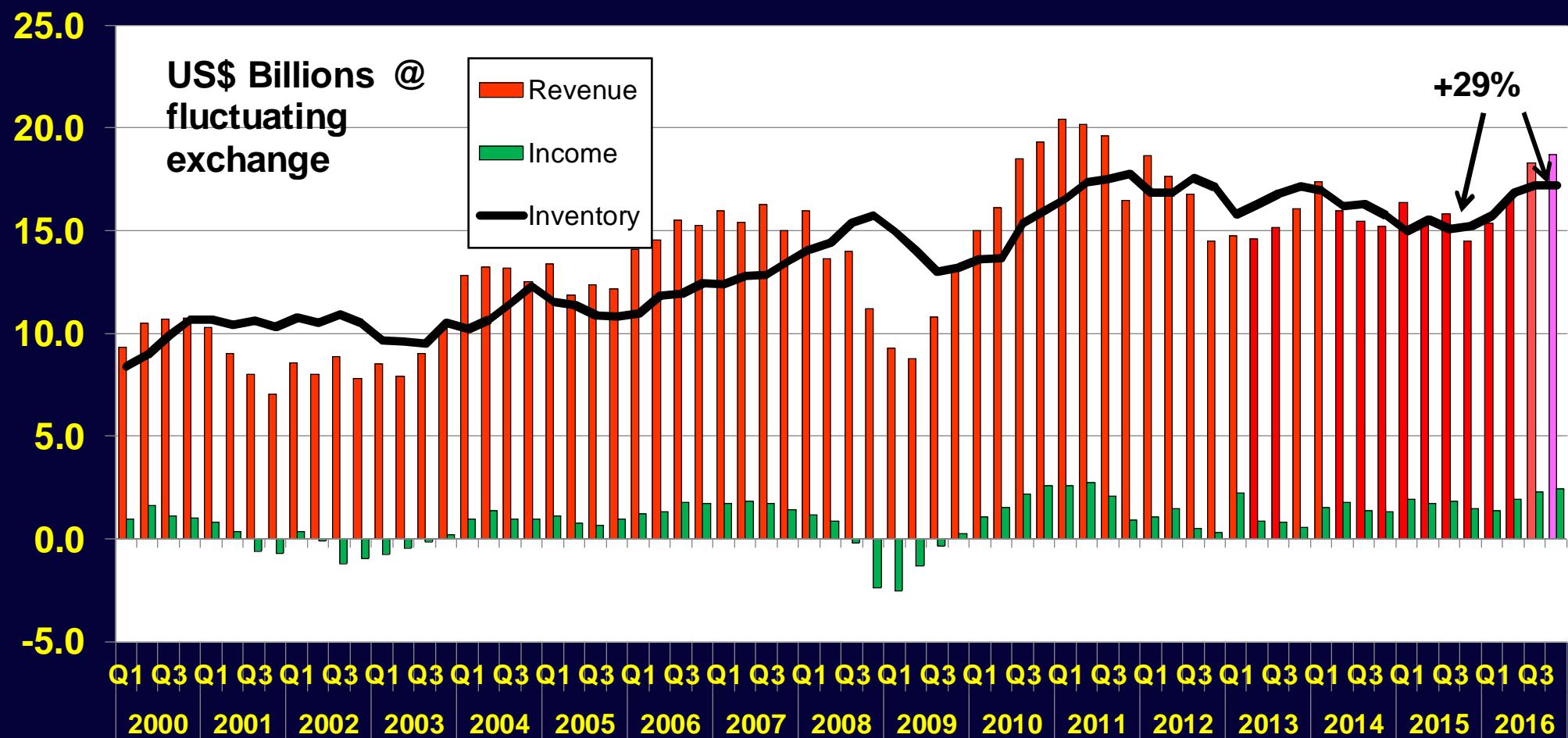


Chart 18

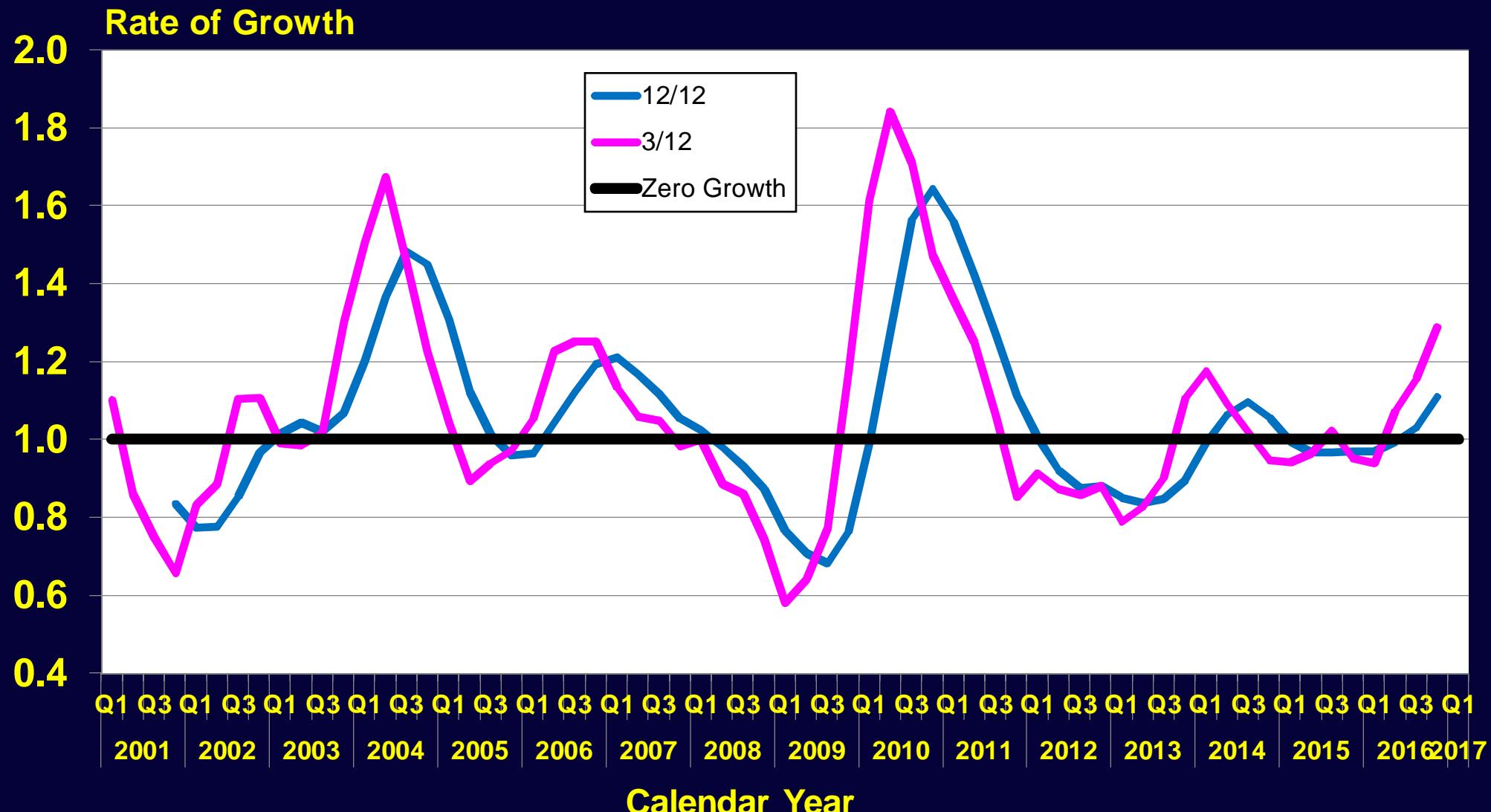
Semiconductor Fab, Test & Measurement Composite of 40 Public Companies Revenue, Net Income & Inventory



Advantest, Applied Materials, ASM Intl, ASML, Axcelis, Brooks Automation, BTU, Cohu, CollabRx, Dainippon Screen, Disco, Electroglas, Entegris, FEI, FormFactor, FSI, Hitachi Hi Tech, Hitachi Kokusai, KLA-Tencor, Ibis, Intervac, Kulicke & Soffa, Lam Research, Mattson, MKS Instrument, Novellus Systems, Photon Dynamics, Rudolph Technologies, Teradyne, Tokyo Electron, Ultra Clear, Ultratech Stepper, Varian Semiconductor, Veeco, Xcerra (LTX-Credence)

Chart 19

SEMI Equipment Global Shipment Growth 3/12 & 12/12 Rate of Change



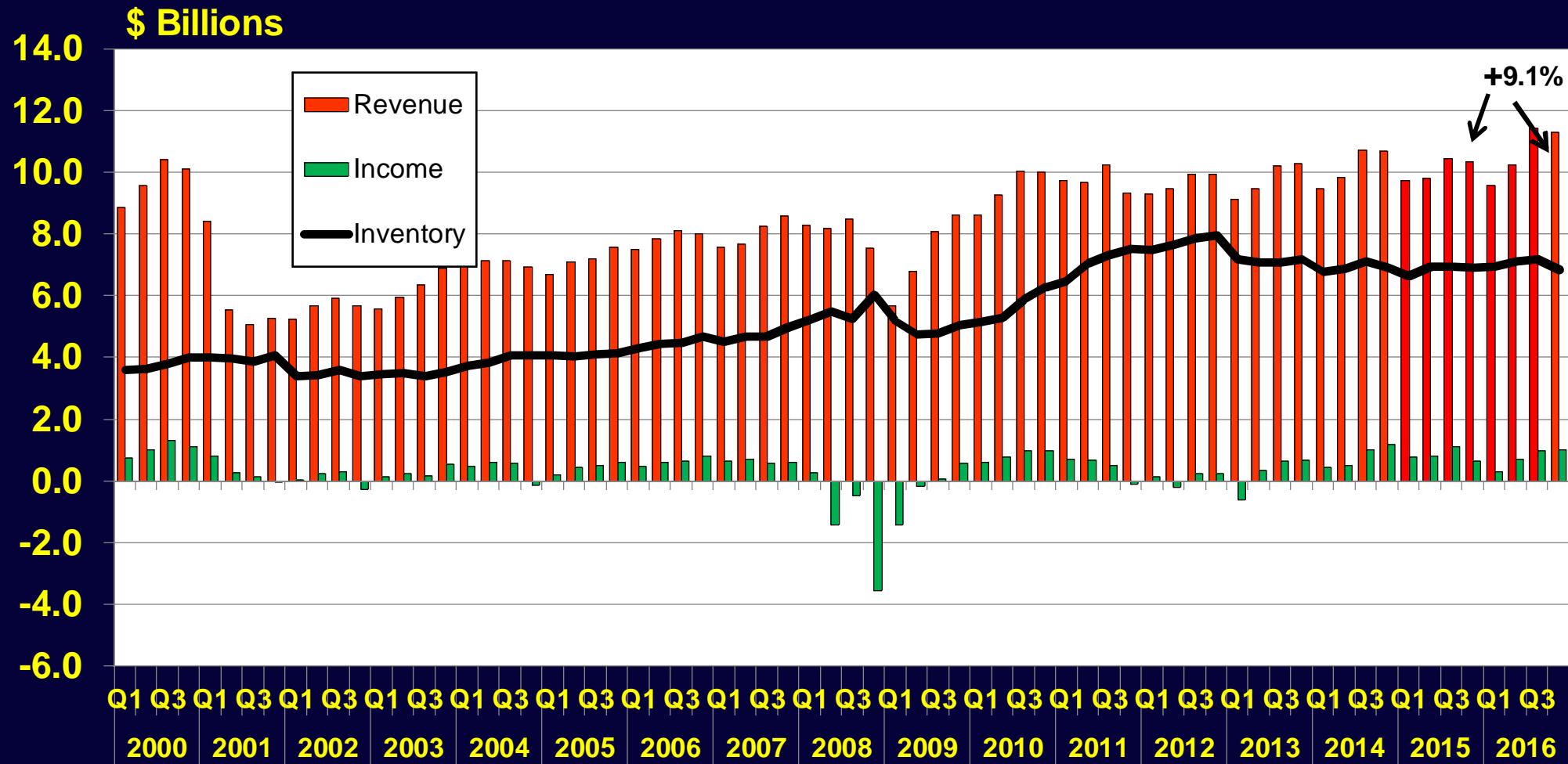
Custer Consulting Group based upon Industry Sector Composite Data

Chart 20

Passive Components

Composite of 14 Companies

Revenue, Net Income & Inventory

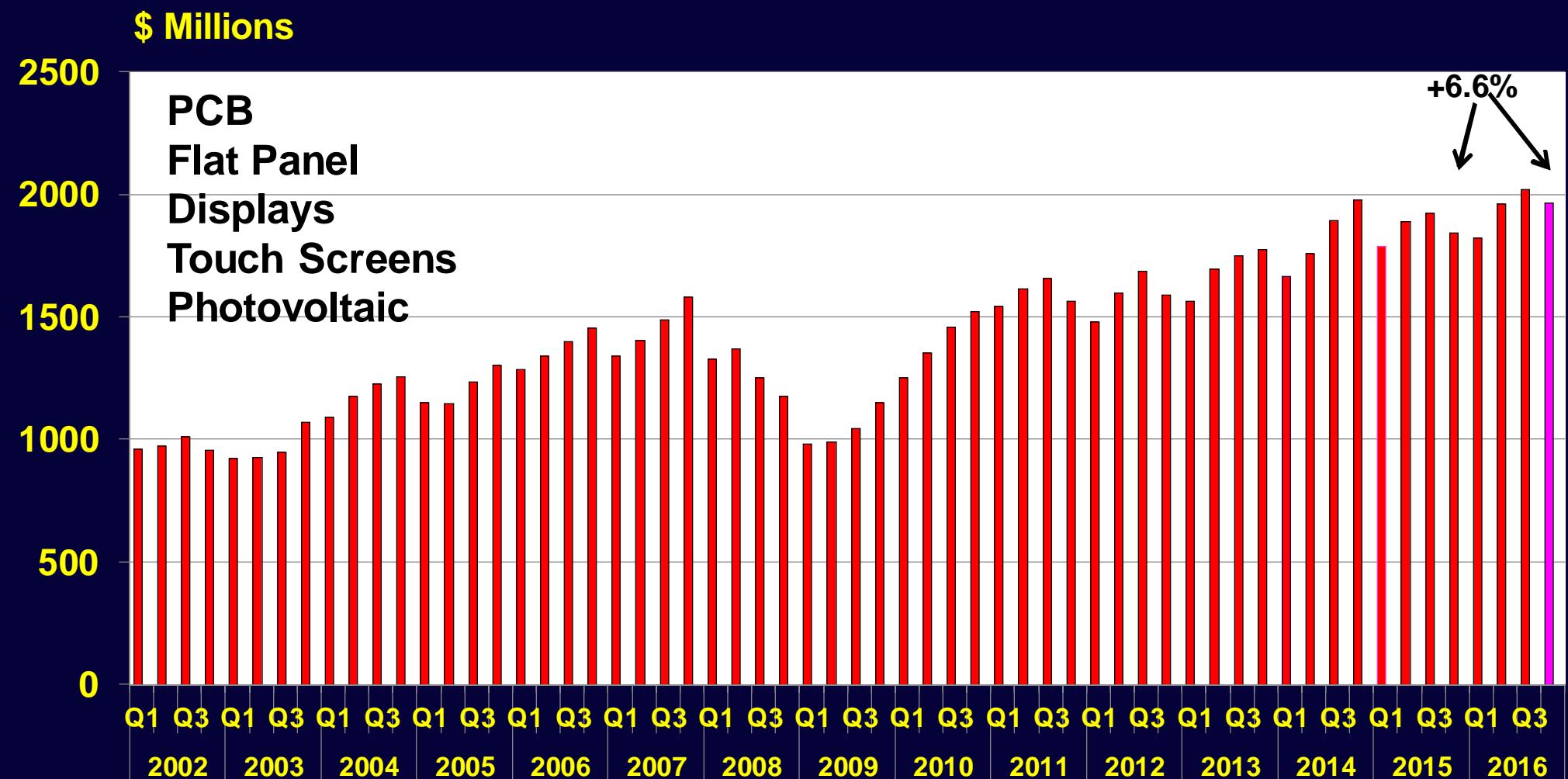


ALPS, AVX, Bel Fuse, Diodes, International Rectifier, Kemet, Knowles, Littlefuse, Murata, RF Micro, Rohm, Vishay, TDK, Yageo;
Euro, Yen & NT\$ converted to US\$ at fluctuating exchange rates

Chart 21

Process Equipment Related Suppliers Composite of 12 Companies

Revenue



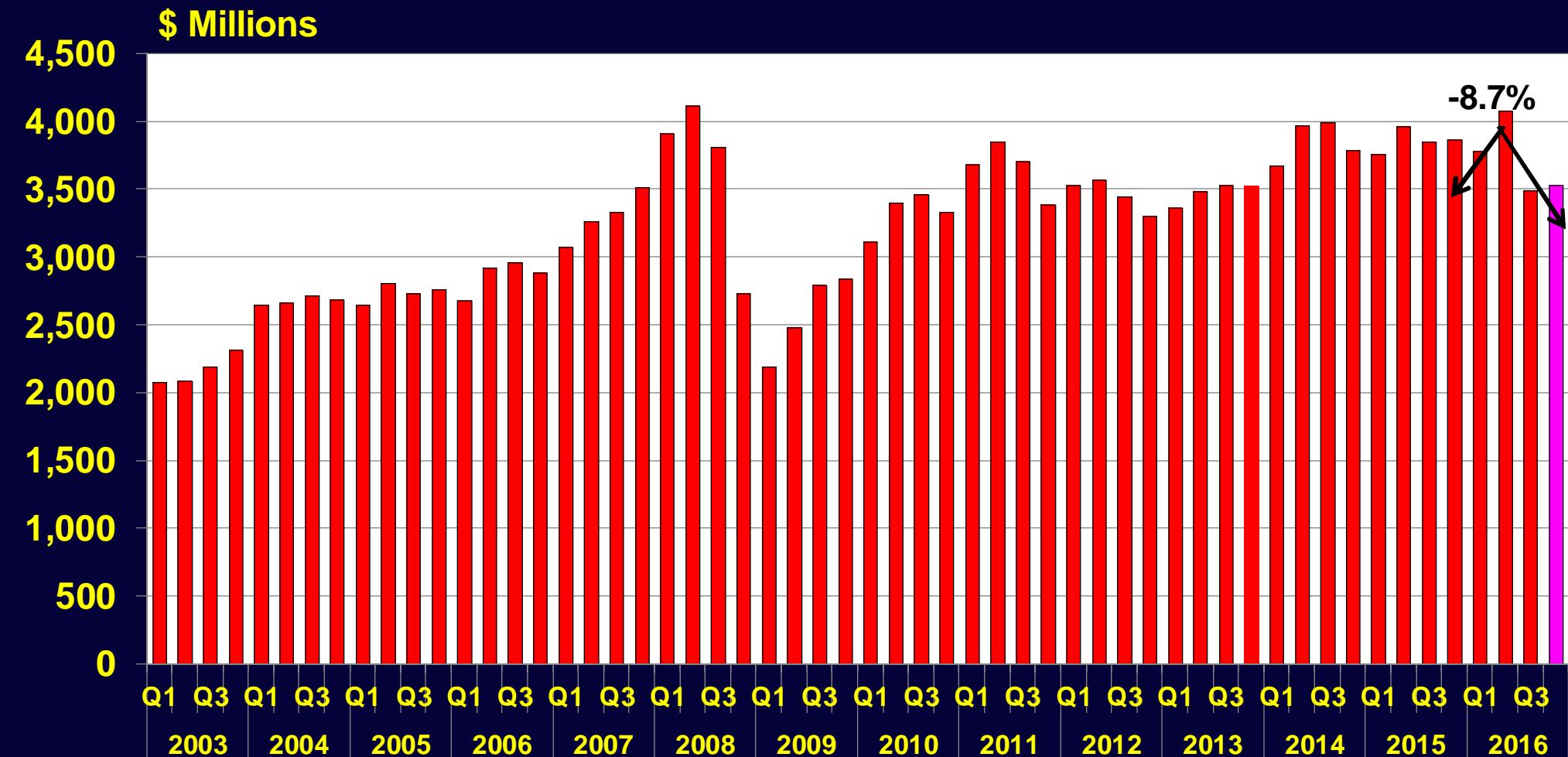
C-Sun, Tailing Technology, Camtek, Cadence, ESI, GSI Group, Mentor Graphics, Nordson, Rofin-Sinar, Coherent, Orbotech, Data I/O

Chart 22

Material Suppliers (excluding laminate)

Composite of 14 Companies

Revenue



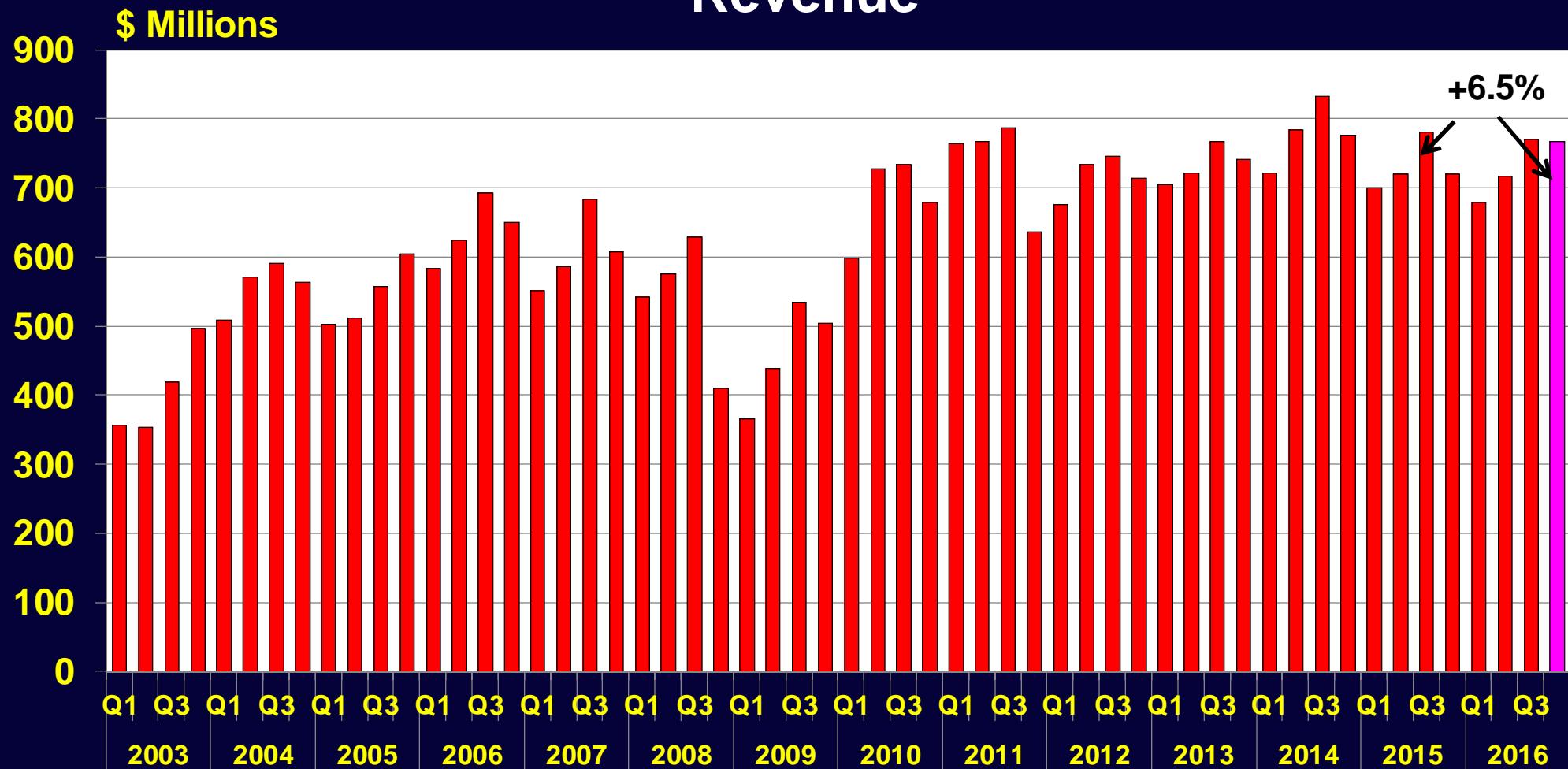
Momentive, OM Group, Taiwan Glass, Baotech, Glotech, Shenmao, Wahlee, Topoint, Cabot Micro, Cookson Elec, Eternal Chemical, Hexcel, Chang Wah, Platform Specialty Products

NT\$ & GBP converted to US\$ at fluctuating exchange

Chart 23

Rigid & Flex Laminate Suppliers Composite of 13 Companies

Revenue



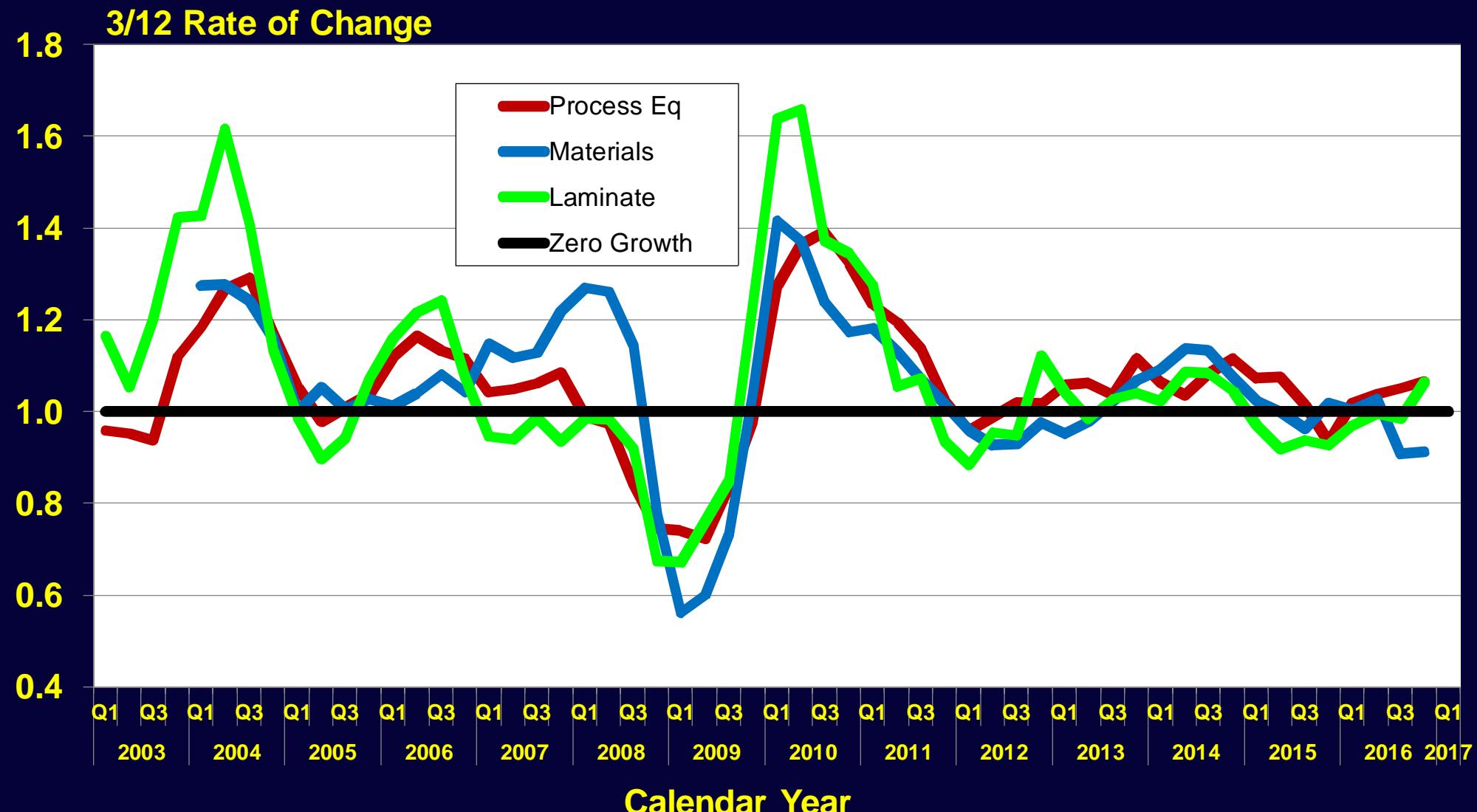
Arisawa, Arlon Electronic Materials, Elite Materials, Hwa Woei, Iteq, Microcosm, Park Electrochemical, Rogers, Shinemore, Taiflex, Thinflex, Top Union, Uniplus

NT\$ converted at fluctuating exchange

Chart 24

Global Growth Rates

Process Equipment, Materials & Laminate



Company Financials of 12 Laminate suppliers, 13 material suppliers & 8 Process Equipment Suppliers

Chart 25

Smartphone Unit Shipments to End Users World

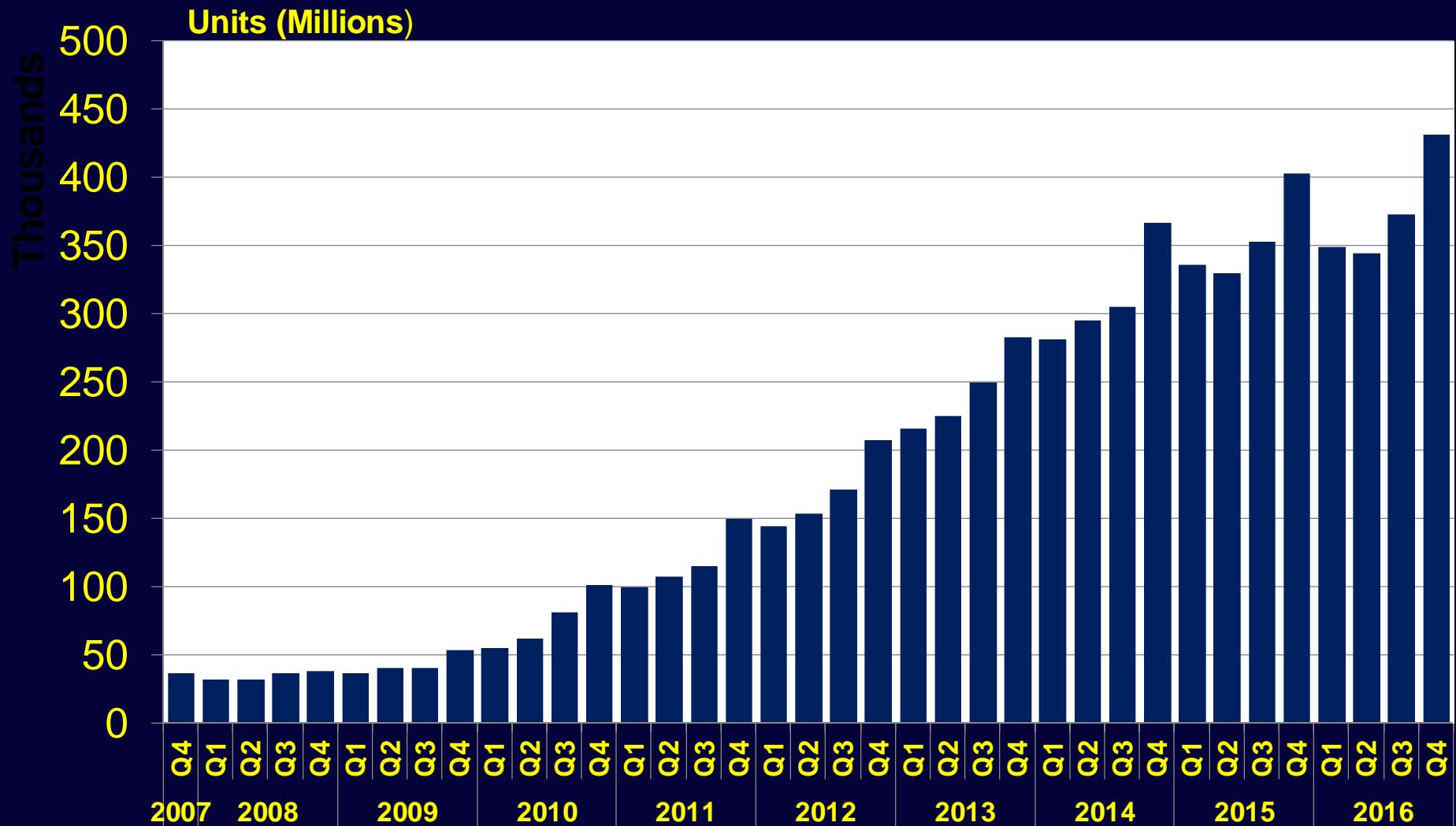


Chart 26

World Smartphone Sales 2016

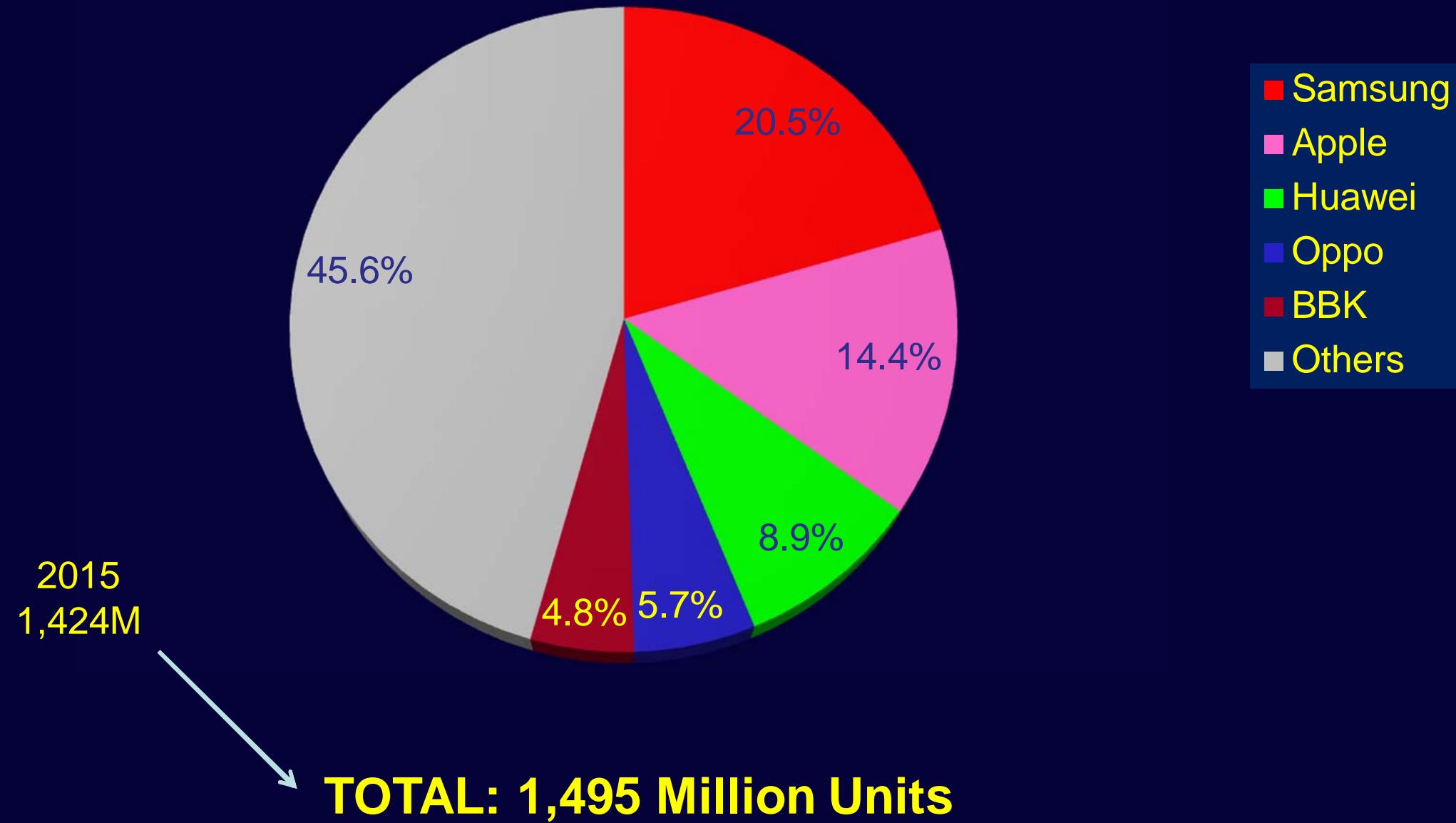
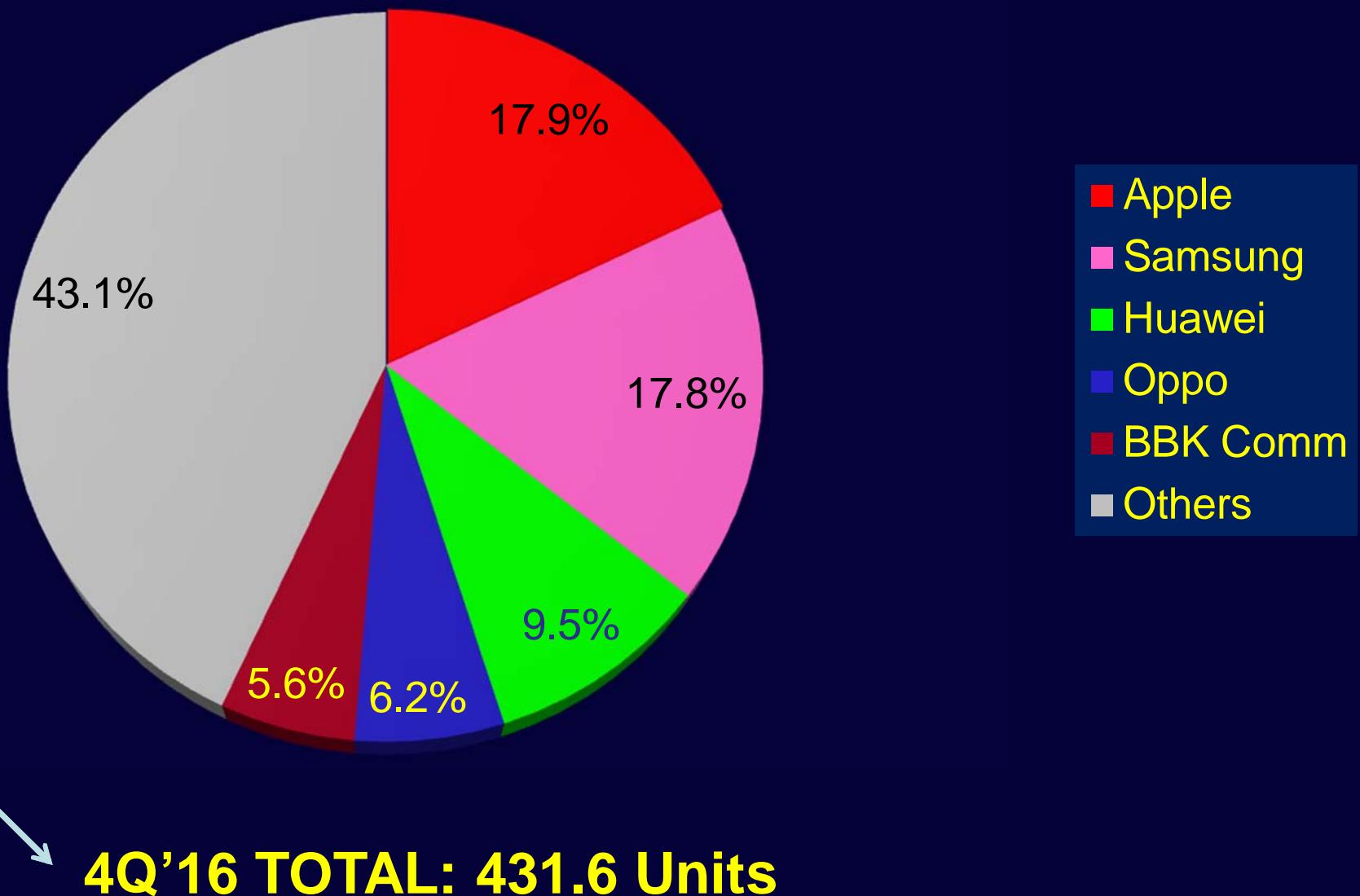
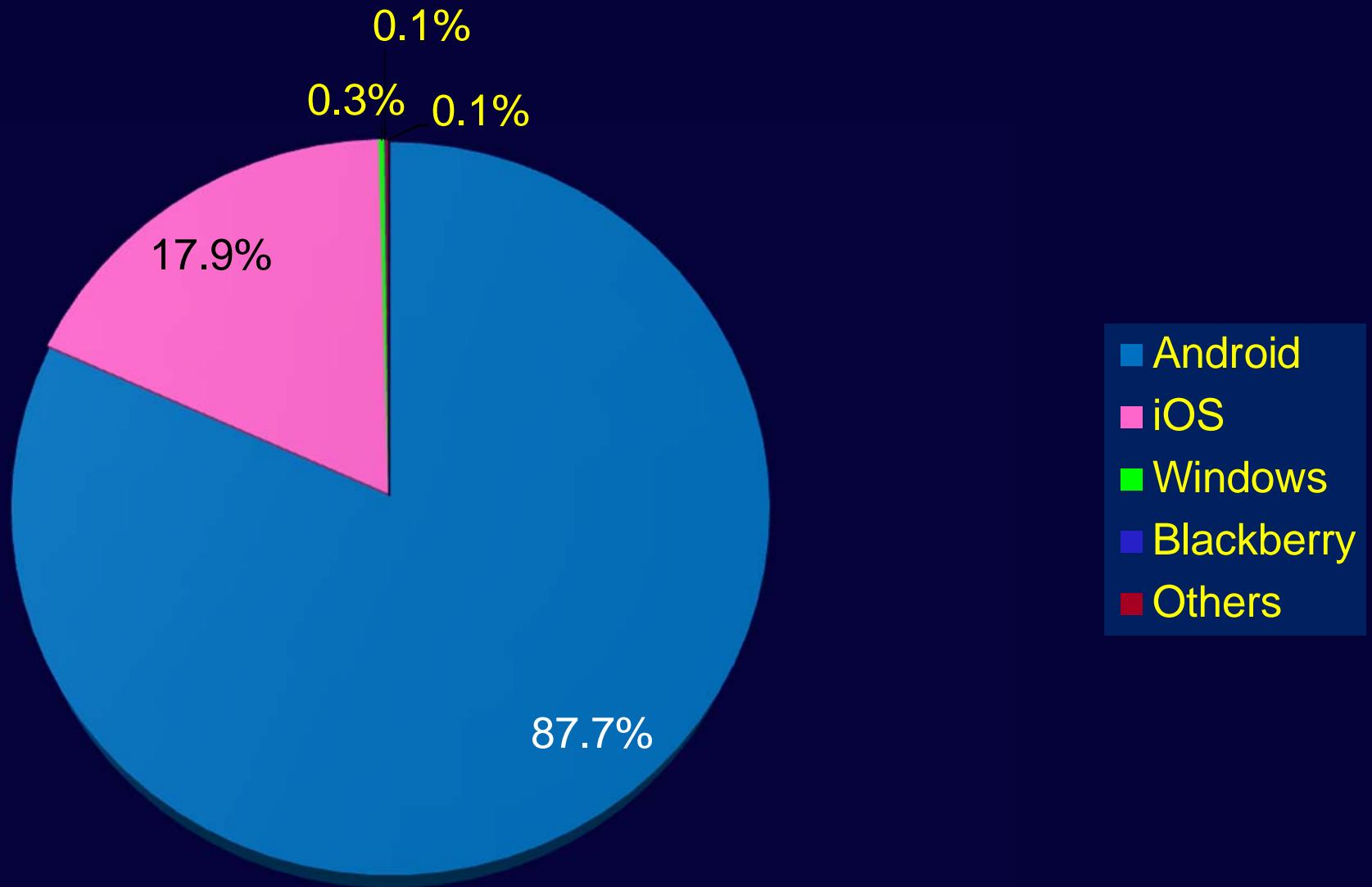


Chart 27

World Smartphone Sales 4Q'16



World Smartphone Sales 4Q'16 by Operating System



4Q'16 TOTAL: 431.5 Units

Chart 29

Mobile DRAM Revenue

US\$ (Billions)

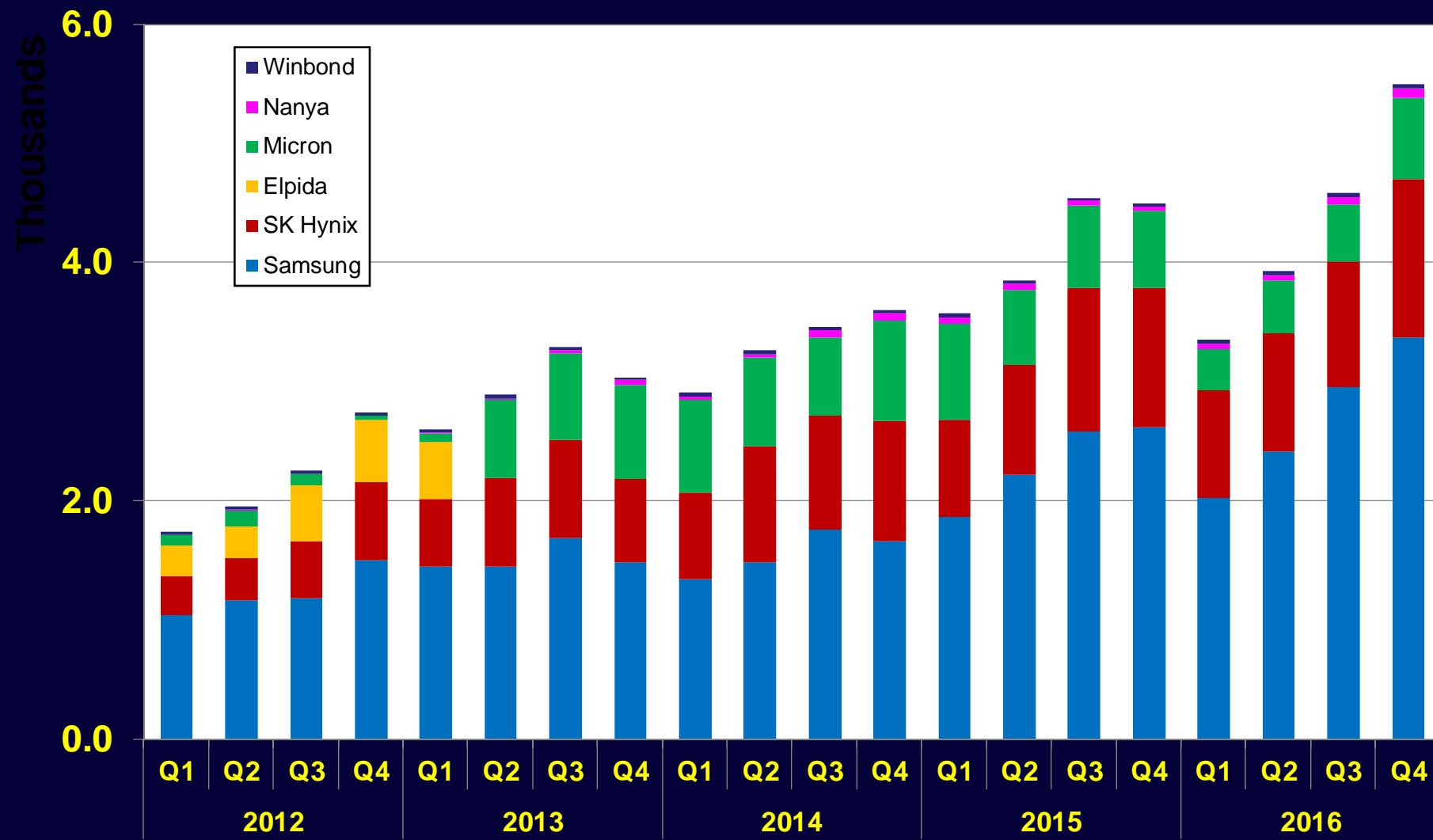
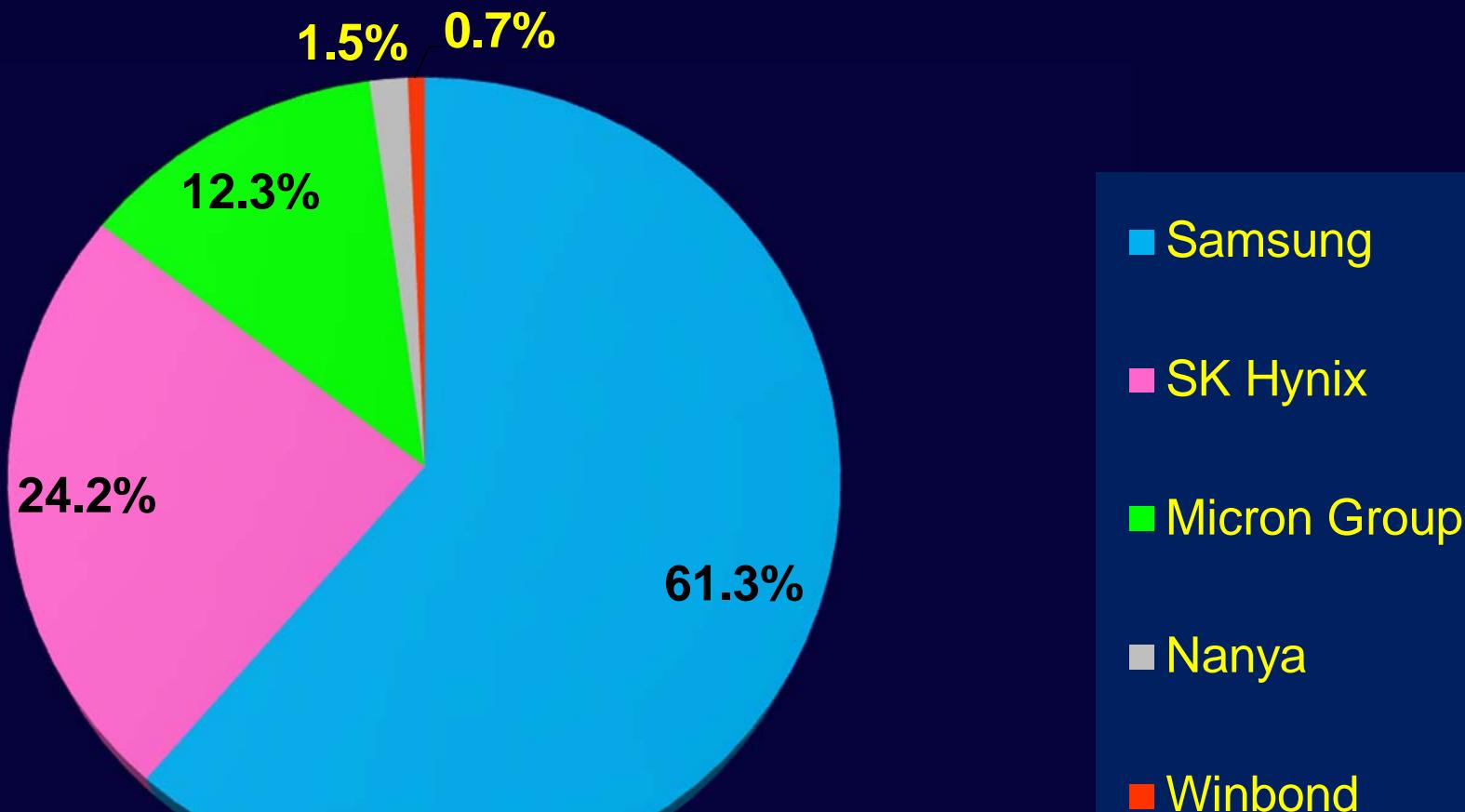


Chart 30

Mobile DRAM Revenues 4Q'16



4Q'16 Total: US\$5.505 Billion

Chart 31

Branded DRAM Revenue

US\$ (Billions)

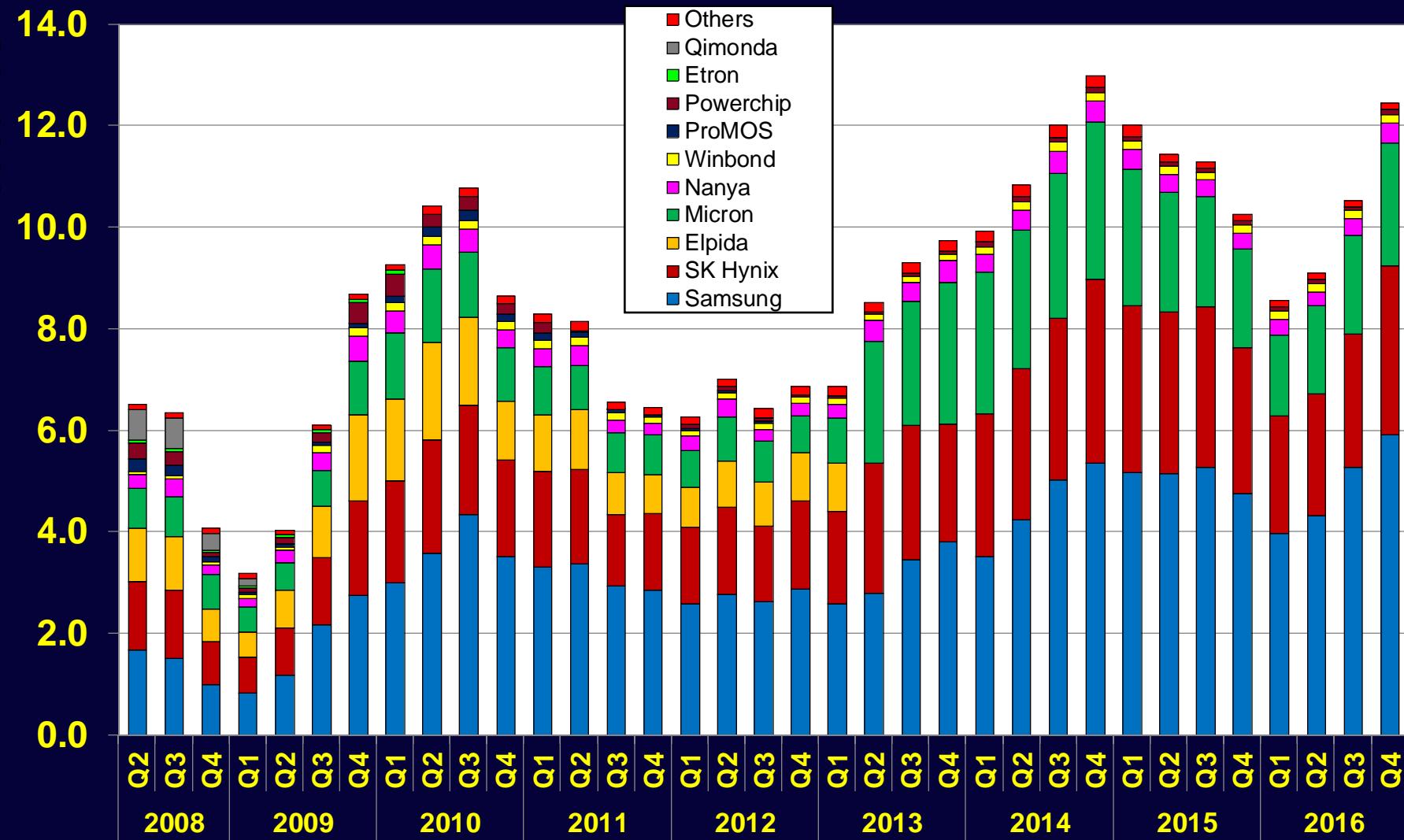
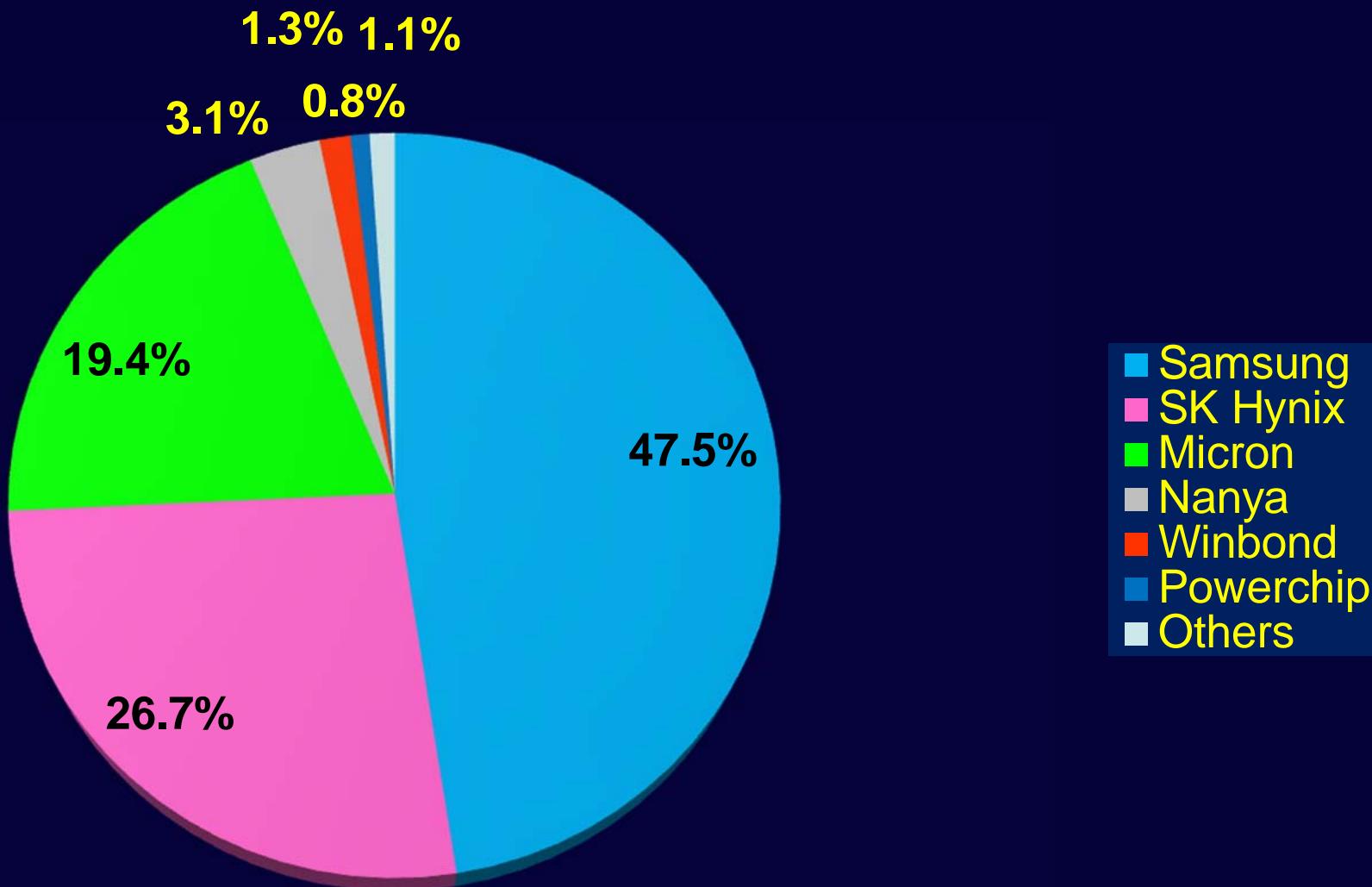


Chart 32

Branded DRAM Revenues 4Q'16

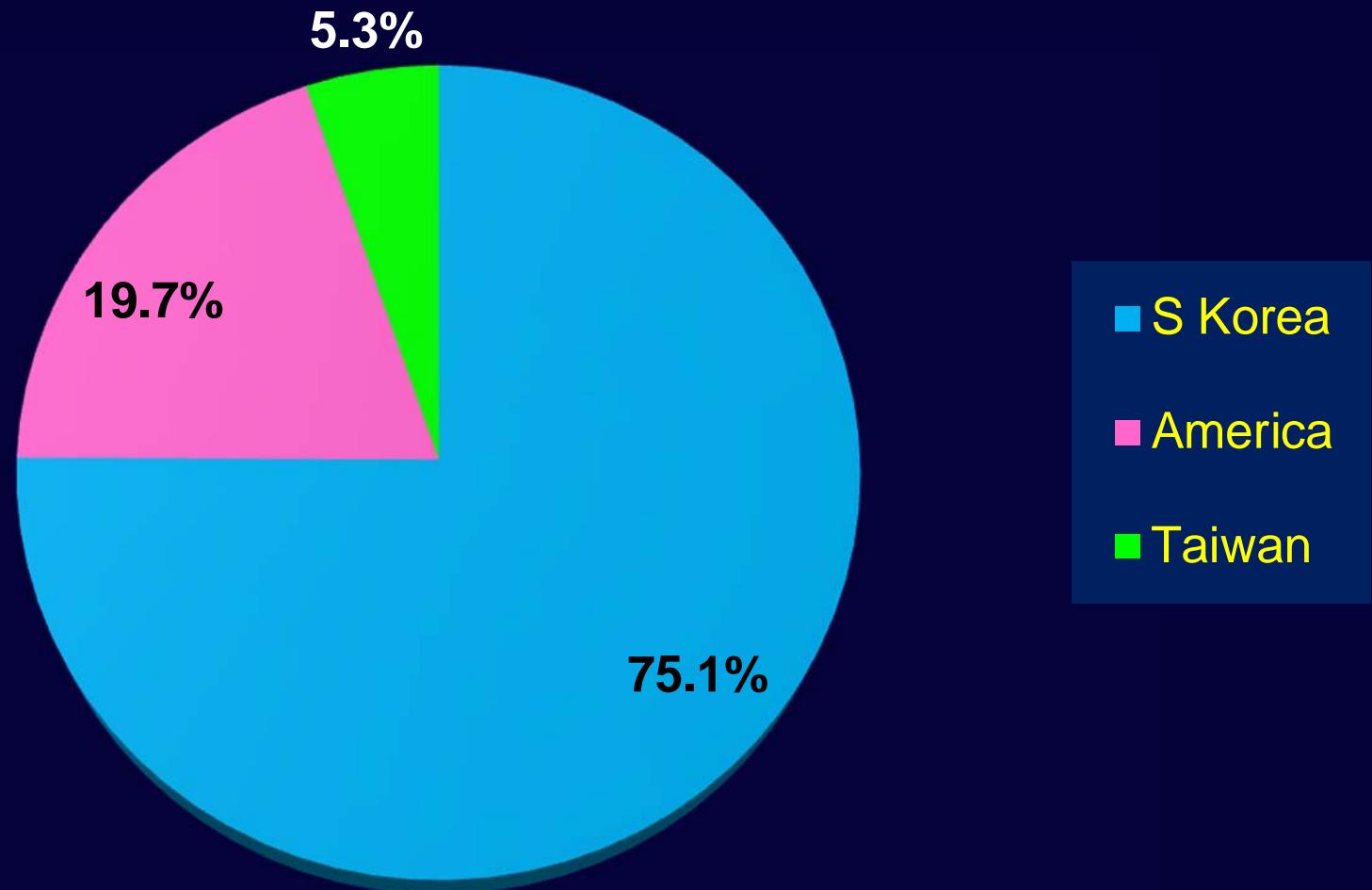


\$10.536 B
3Q'16

4Q'16 Total: US\$12.454 Billion

Chart 33

Regional Branded DRAM Market Share 4Q'16

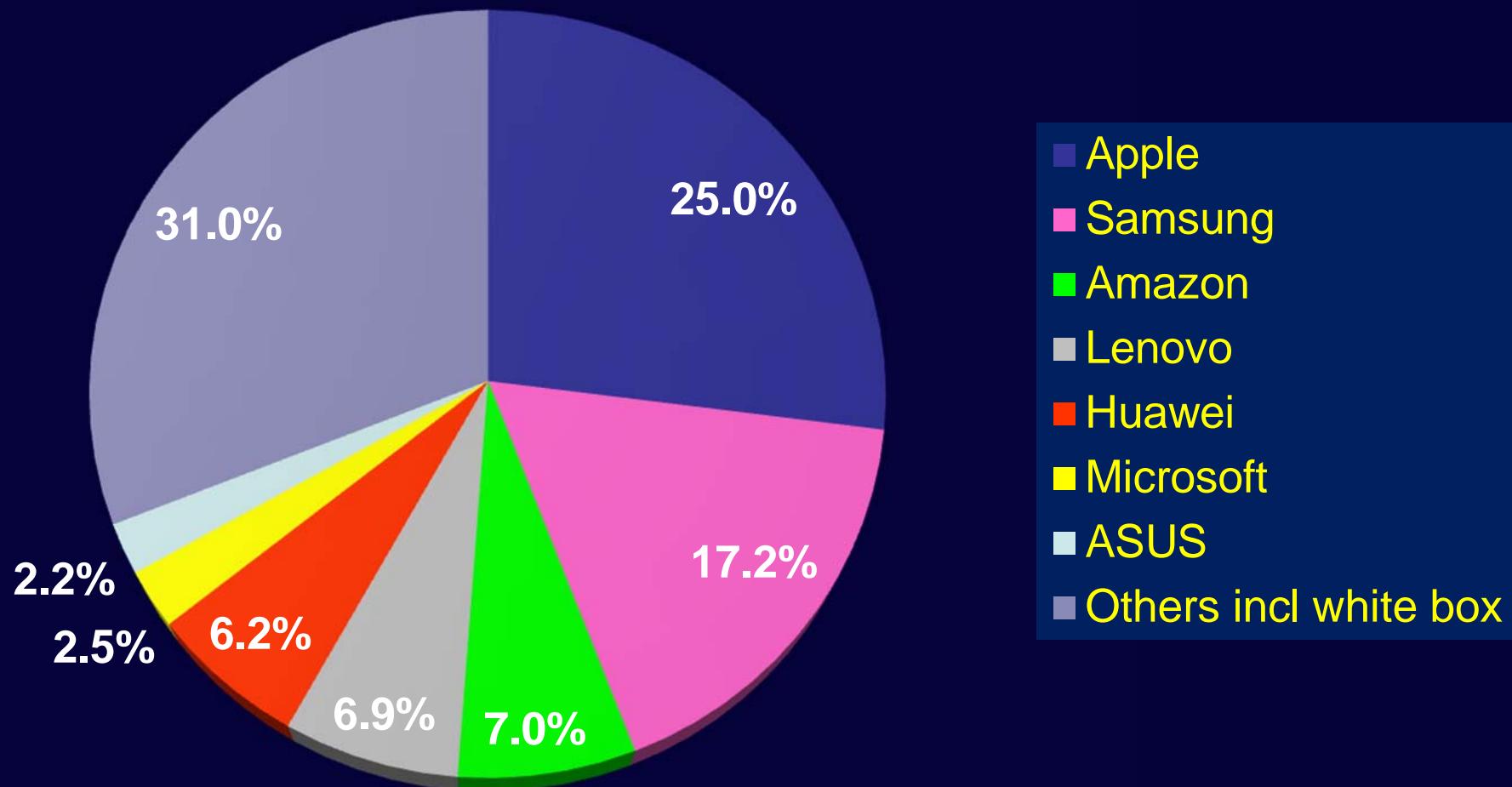


4Q'16 Total: US\$ 12.5 Billion

Market shares above do not include “other” smaller producers

Chart 34

Media Tablet World Shipments 2016

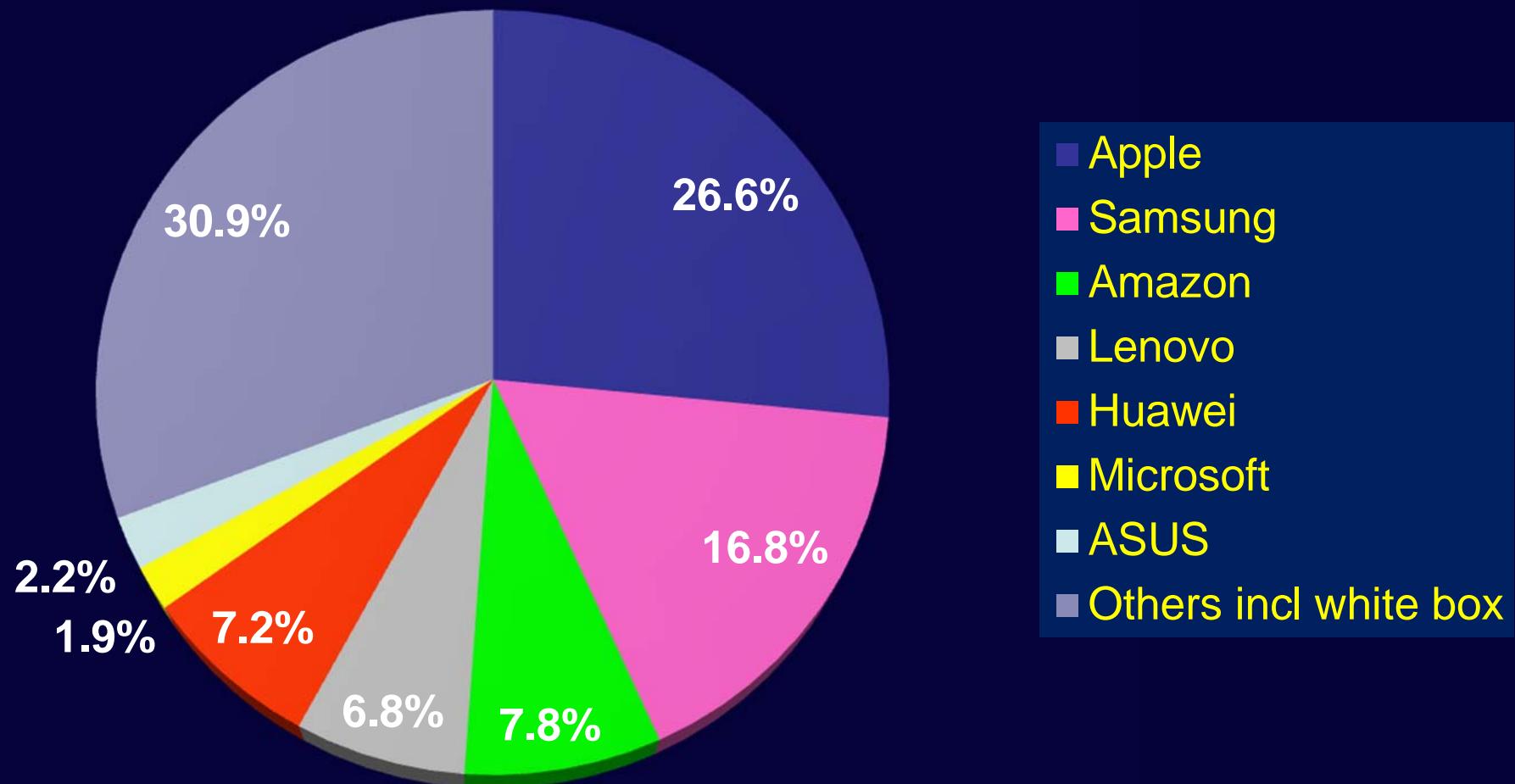


TOTAL: 157.4 Million Units

Media Tablet World Shipments 2017 estimate

Chart 35

20170218



TOTAL: 147.8 Million Units

Chart 36

U.S. Industrial Production Index (2012=100)

