HEY BIG SPENDER!

JAPAN OUTSPENDS THE US, CONTINUES ITS METEORIC GROWTH



App Annie

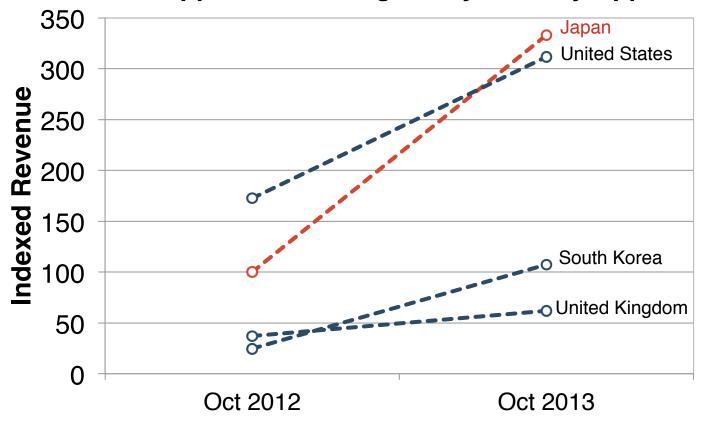
1. Japan Revenue Overtakes US

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Japan Now #1 Country in App Store Revenue

Combined iOS App Store & Google Play Monthly App Revenue

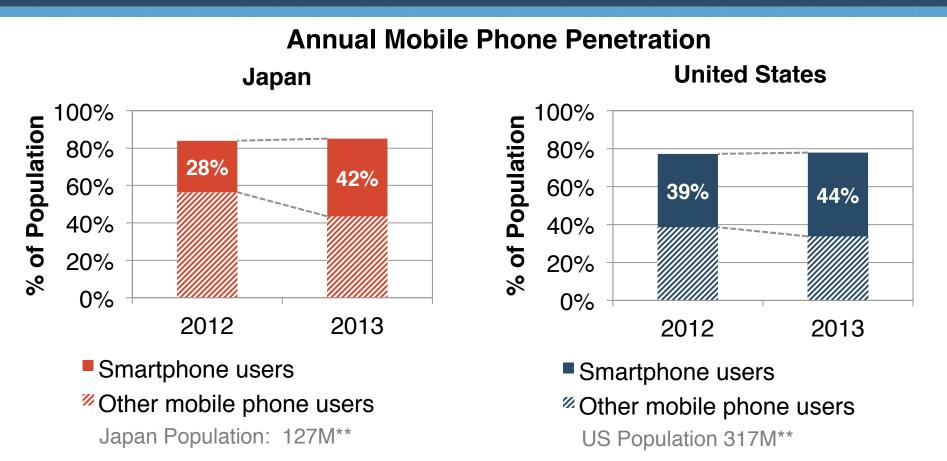


- Over the past year, Japan's app store spend has exploded, exceeding growth in other major markets
- Japan now top-grossing country across iOS and Google Play combined

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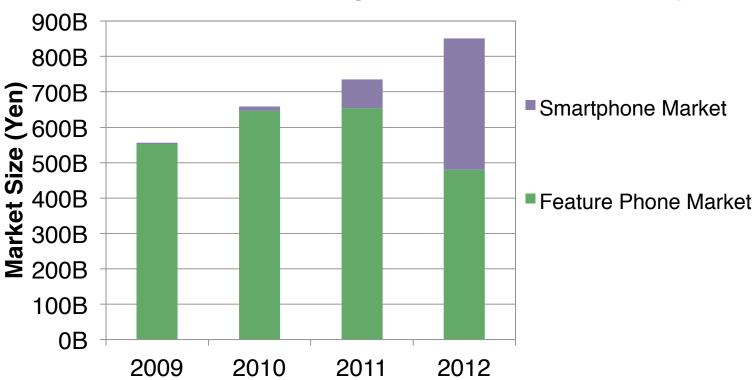
Smartphone Adoption Catching Up Rapidly in Japan



- While Japan is a mobile-centric society, smartphone adoption has lagged behind other major markets; feature phones already were quite advanced
- Smartphone penetration in Japan started catching up rapidly in 2013

Mobile Digital Content Market Already Strong in Japan

Annual Mobile Phone Digital Content Market in Japan

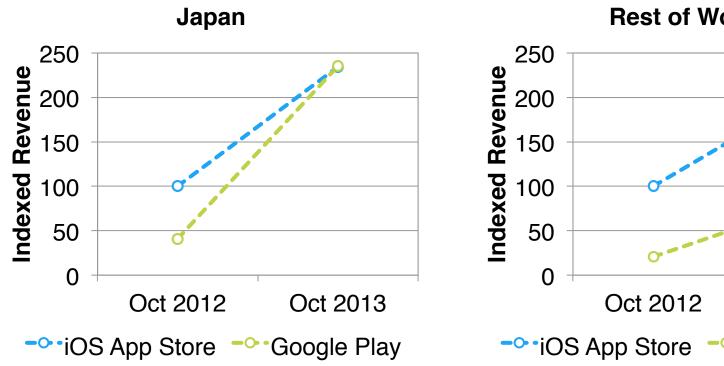


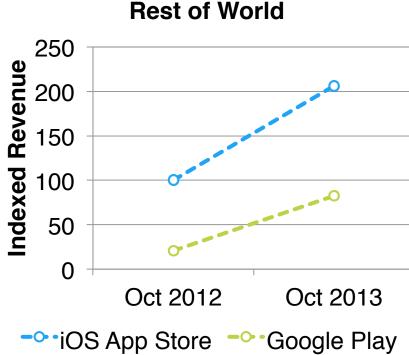
Source: Mobile Content Forum, Japan, August 2013

- Japanese consumers already have been accustomed to purchasing digital content (e.g., music and games) on feature phones
- Digital content market has been growing steadily the past few years

Google Play Caught Up to iOS in Japan App Revenue

iOS App Store vs. Google Play Monthly App Revenue





- App spend on Google Play has skyrocketed in Japan, far outpacing growth in the rest of the world
- Google Play has closed the gap with iOS in app revenue in Japan

Carrier Billing for Google Play Japan Facilitates Payment

...In some markets, Google has teamed up with wireless carriers... to include app purchases on phone bills, [Director, Google Play] Kochikar said.

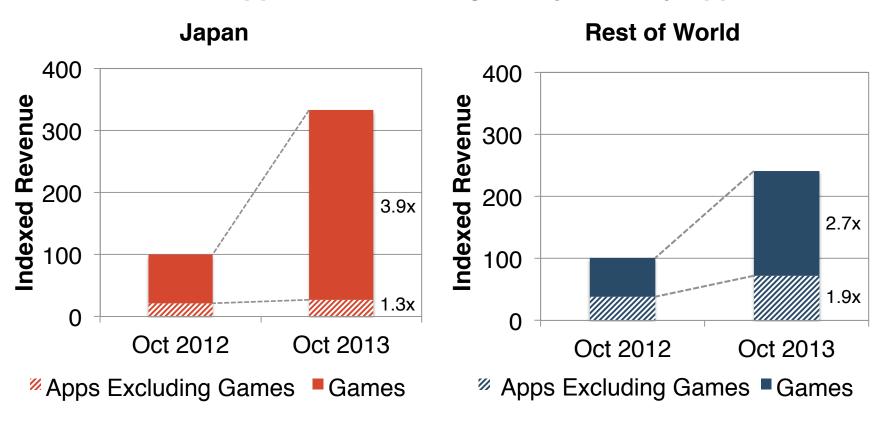
In Japan and South Korea, two countries with direct carrier billing, Google developers have seen revenue jump almost 14- fold, the company said.

Source: <u>Bloomberg</u>, February 2013

- Japan traditionally has relied on cash, rather than credit cards
- Google Play introduced carrier billing for Japan's leading mobile carriers (NTT DoCoMo, KDDI, and Softbank) in early 2011

Explosive Growth in Games Drove Japan Revenue

Combined iOS App Store and Google Play Monthly App Revenue



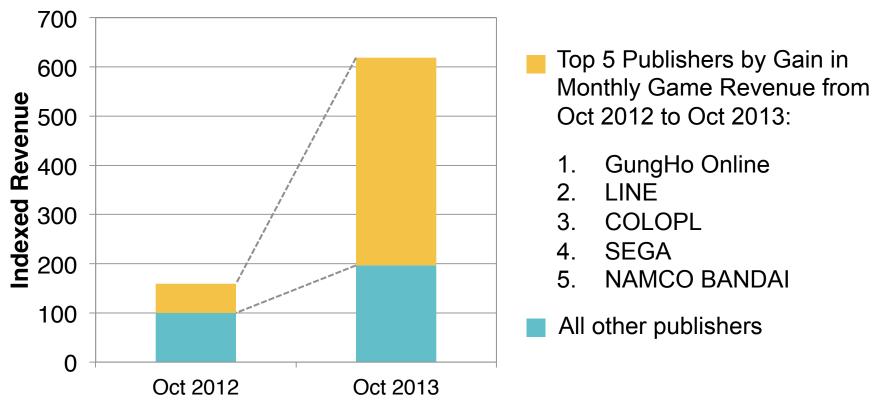
 Growth in games spend in Japan dramatically outpaced growth in the rest of the world

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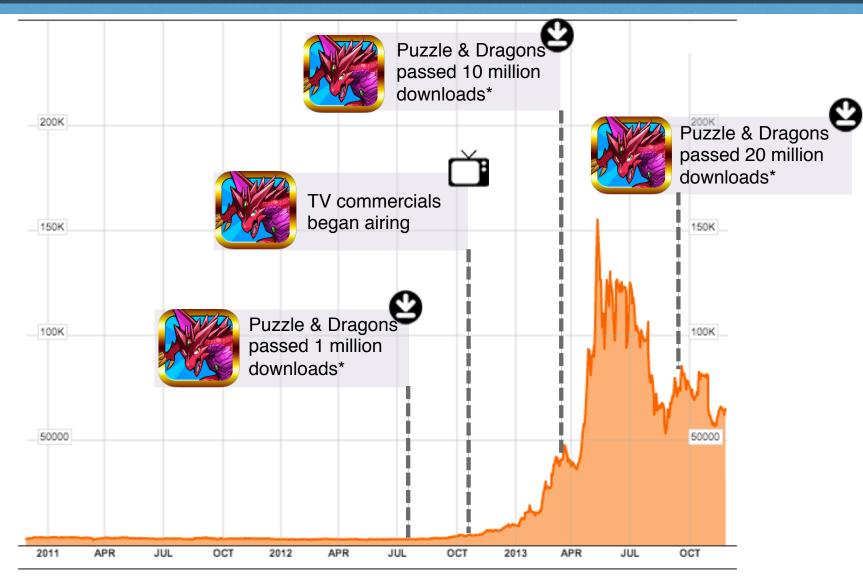
Domestic Publishers Led the Growth in Japan

Combined iOS App Store and Google Play Monthly Game Revenue in Japan



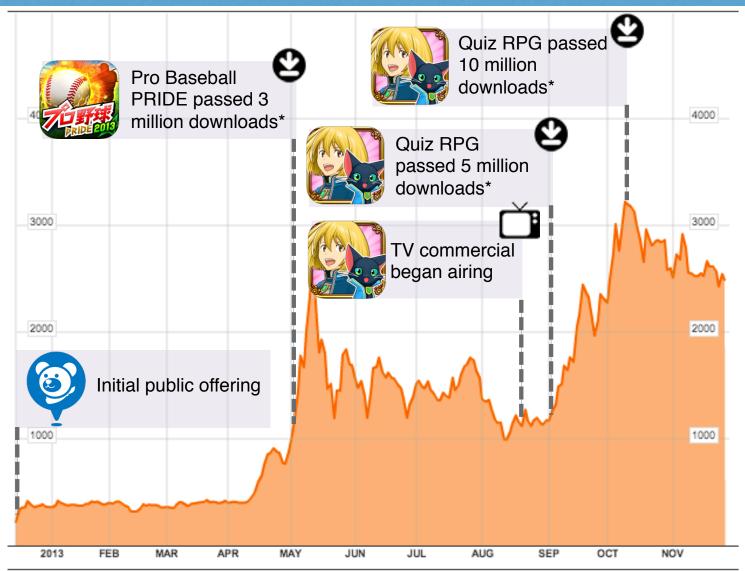
 While Puzzle & Dragons from GungHo Online has dominated the headlines in Japan this past year, LINE, COLOPL, SEGA, and NAMCO BANDAI also saw significant growth in game revenue

Riding the Dragons: The Success of GungHo Online



^{*} Figures released by GungHo

COLOPL's Home Run Hitters



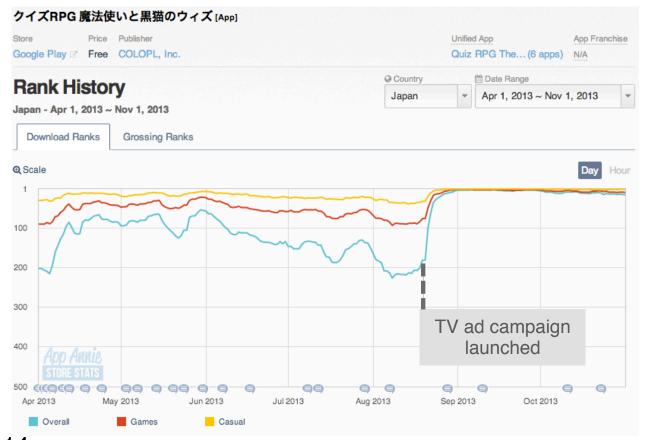
^{*} Figures released by COLOPL

Source: Bloomberg, 2013

COLOPL's Quiz RPG Spiked After TV Commercials



Quiz RPG: World of Mystic Wiz

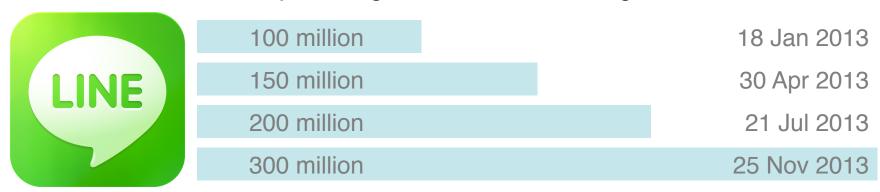




- After TV commercials began screening, downloads* tripled in 3 months
 - * Source: COLOPL, 2013
- TV commercials also have driven huge growth in Japan for other games, such as Puzzle & Dragons App Annie

LINE Expands from Messaging App to Game Platform

LINE announced explosive growth in users throughout 2013



 LINE also established a gaming platform that integrates with the messaging service. Hit games include:



LINE POP

15



LINE Pokopang



LINE WIND runner

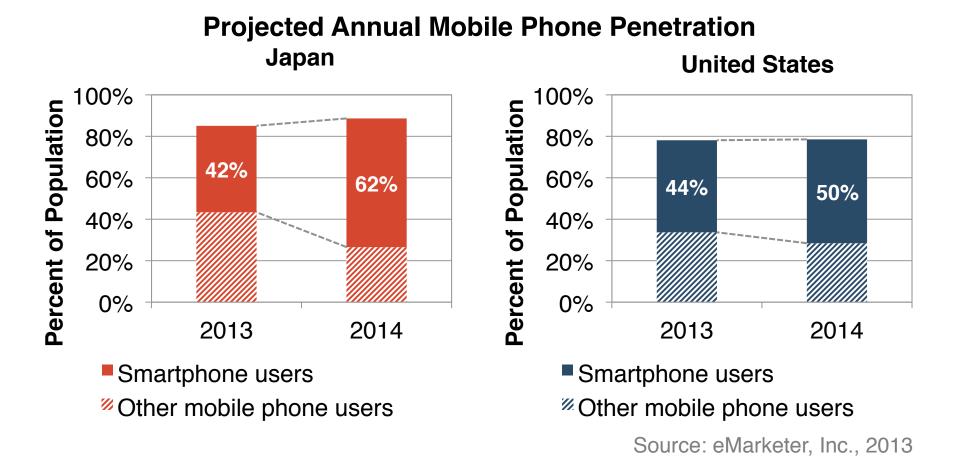
The company is rumored to be considering an IPO*

* Source: Reuters, October 2013

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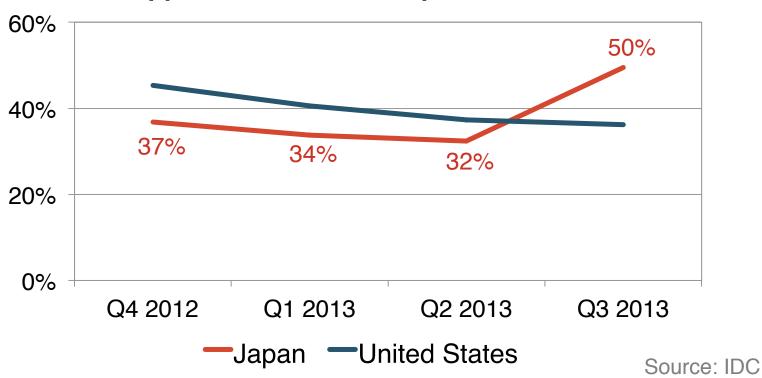
Smartphone Adoption in Japan Will Accelerate in 2014



Japan is far from being saturated for smartphones; penetration is expected to grow further in 2014, overtaking that in the United States and contributing to further app store gains

iOS Device Sales Grow After DoCoMo Adds iPhone to Its Lineup in September 2013

Apple's Share of Smartphone Unit Sales



- DoCoMo added the iPhone Sep 20, so Q3 only partly reflects the impact
- It will be interesting to watch how Apple's device install base* and apprevenue develop in Japan in the coming months

(* Note: A shift in device sales does not necessarily result in a shift in install base)

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Japan: Conclusions & Key Takeaways

- Japan has surpassed the United States to become the top-grossing country by combined iOS and Google Play app revenue
 - Smartphone adoption has been catching up rapidly in Japan
 - Google Play revenue has soared in Japan, catching up to iOS
 - Games revenue in particular has exploded in Japan
- Publishers that rode the wave to success in Japan included not just GungHo Online, but also LINE, COLOPL, SEGA, NAMCO BANDAI
 - Successful publishers were domestic, having local knowledge
 - TV advertising is effective in driving app performance in Japan
- More investment opportunities await in Japan next year
 - Smartphone adoption will accelerate in 2014
 - iOS devices more accessible with DoCoMo offering the iPhone

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