

Profitable E-commerce for Low-Priced Items, Unleashing the Untapped Potential

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ABSTRACT : This white paper explores the strategies and operational considerations necessary for building a profitable e-commerce business focused on selling low-priced items. While individual unit margins are minimal, significant revenue and profit can be achieved through high-volume sales, optimized operational efficiency, and effective marketing. This paper examines key aspects including: product sourcing and selection, emphasizing high-demand, low-cost goods; platform selection and store setup, focusing on minimizing overhead; efficient inventory management and fulfillment strategies, including dropshipping and bulk purchasing; targeted marketing and customer acquisition techniques, leveraging social media and influencer marketing; and data-driven analysis for continuous optimization. By addressing these critical areas, businesses can unlock the potential of low-priced e-commerce, achieving sustainable growth and profitability in a competitive online marketplace.

Keywords : E-commerce; profitability; low priced items; online retail; selection expansion; high volume sales; generative AI; ML based recommendations; pre-compute; event driven architecture; fulfillment optimization; Machine Learning (ML); cost transformation; revenue transformation; product sourcing; dropshipping; inventory management; fulfillment; marketing; customer acquisition; seller experience; customer experience; go-to-market strategy; cost minimization; price optimization; upselling; cross-selling; data-driven analysis; niche markets; trending products; private labeling; platform selection; store setup; automation; social media marketing; influencer marketing; email marketing; search; engine optimization (SEO); lifetime value (LTV); Artificial Intelligence (AI); brand building; scaling; international expansion; subscription services; affiliate programs; unit economics; customer retention; logistics; supply chain; online marketplaces; digital marketing; business strategy; retail strategy; e-commerce trends; online business; budget retail; affordable products; online sales

1. Introduction

The landscape of online retail is often dominated by narratives of high-value transactions and luxury goods. However, a significant and often overlooked segment exists within the e-commerce ecosystem: the market for low-priced items. While individual profit margins may appear negligible, the aggregate potential of high-volume sales in this sector is substantial. This white paper delves into the strategies and operational frameworks required to build a thriving and profitable online business centered on selling low-priced goods. The appeal of low-priced items stems from their accessibility and broad consumer demand. In an era of increasing price sensitivity, consumers are actively seeking affordable solutions to everyday needs and desires. From novelty gadgets and everyday household items to budget-friendly accessories and impulse purchases, the

market for these products is vast and diverse. This accessibility, coupled with the global reach of e-commerce platforms, creates a unique opportunity for entrepreneurs to tap into a massive customer base.

However, success in this domain is not simply a matter of listing cheap products online. It requires a meticulous approach that prioritizes operational efficiency, strategic sourcing, and targeted marketing. The challenges inherent in low-margin businesses, such as managing high order volumes, minimizing shipping costs, and maximizing customer acquisition, demand innovative solutions and a data-driven mindset [1].

This paper aims to provide a comprehensive guide to navigating the complexities of low-priced e-commerce. It will explore the critical elements that contribute to profitability, from identifying lucrative product niches and optimizing supply chains to implementing effective marketing campaigns and leveraging data analytics for continuous improvement. By examining these key aspects, this white paper seeks to empower aspiring and existing e-commerce entrepreneurs to unlock the untapped potential of the low-priced market and build sustainable, profitable online businesses.

2. Product Sourcing and Selection: Finding the Right Niche

Description: The foundation of a successful low-priced e-commerce business lies in identifying and sourcing products with high demand and low acquisition costs. This involves thorough market research, trend analysis, and establishing reliable supplier relationships.

Opportunities:

- **Niche Markets:** Targeting specific niches allows for focused marketing and reduced competition. For example, focusing on budget-friendly pet accessories, kitchen gadgets, or phone accessories [2].
- **Trending Products:** Capitalizing on viral trends or seasonal items can generate rapid sales. Tools like Google Trends, social media monitoring, and e-commerce analytics can help identify these opportunities.
- **Direct Sourcing:** Sourcing directly from manufacturers or wholesalers, especially overseas, can significantly reduce costs. Platforms like Alibaba, AliExpress, and Global Sources facilitate these connections.
- **Private Labeling:** Branding generic products as your own can create a unique selling proposition and increase perceived value.

Challenges:

- **Quality Control:** Ensuring consistent product quality from low-cost suppliers can be difficult. Thorough vetting and sample testing are crucial.
- **Supplier Reliability:** Delays, stock shortages, and communication issues with suppliers can disrupt operations. Building strong relationships and having backup suppliers is essential.
- **Product Saturation:** Many low-priced products are readily available, leading to intense competition. Identifying unique selling points or niche variations is vital.
- **Intellectual Property:** Selling counterfeit or infringing products can lead to legal issues. Due diligence and verifying supplier legitimacy are paramount.

3. Platform Selection and Store Setup: Minimizing Overhead

Description: Choosing the right e-commerce platform and optimizing store setup are critical for minimizing operational costs and maximizing efficiency [3].

Opportunities:

- **Dropshipping Platforms:** Platforms like Shopify, WooCommerce (with dropshipping plugins), and specialized dropshipping platforms simplify store setup and inventory management.

- **Marketplaces:** Selling on established marketplaces like Amazon, eBay, and Etsy provides instant access to a large customer base.
- **Automation Tools:** Utilizing automation tools for tasks like order processing, inventory management, and customer service can significantly reduce labor costs.
- **Mobile Optimization:** Ensuring a seamless mobile shopping experience is crucial, as a significant portion of online purchases are made on mobile devices.

Challenges:

- **Platform Fees:** Transaction fees, subscription fees, and marketplace commissions can eat into profit margins. Careful cost analysis is essential.
- **Customization Limitations:** Some platforms may limit customization options, affecting brand identity and user experience.
- **Technical Issues:** Platform downtime, security breaches, and technical glitches can disrupt operations and damage reputation.
- **Marketplace Competition:** Selling on marketplaces exposes you to direct competition and potential price wars.

4. Efficient Inventory Management and Fulfillment: Streamlining Operations

Description: Effective inventory management and fulfillment strategies are essential for handling high order volumes and minimizing shipping costs [4].

Opportunities:

- **Dropshipping:** Minimizing inventory holding costs and shipping logistics by partnering with suppliers who ship directly to customers.
- **Bulk Purchasing:** Negotiating volume discounts by purchasing inventory in bulk, especially for high-demand items.
- **Third-Party Logistics (3PL):** Outsourcing warehousing, packing, and shipping to 3PL providers can improve efficiency and reduce overhead.
- **Inventory Management Software:** Using software to track inventory levels, automate reordering, and prevent stockouts.

Challenges:

- **Shipping Costs:** High shipping costs can erode profit margins, especially for low-priced items. Exploring various shipping options and negotiating rates is crucial.
- **Order Fulfillment Delays:** Delays in order fulfillment can lead to customer dissatisfaction and negative reviews.
- **Inventory Accuracy:** Maintaining accurate inventory records is essential to prevent stockouts and overselling.
- **Returns and Refunds:** Handling returns and refunds efficiently is crucial for customer satisfaction but can increase costs.

5. Targeted Marketing and Customer Acquisition: Driving Traffic and Sales

Description: Effective marketing strategies are essential for driving traffic to your store and converting visitors into customers [5].

Opportunities:

- **Social Media Marketing:** Leveraging social media platforms like Facebook, Instagram, and TikTok to reach target audiences through targeted ads and organic content.

- **Influencer Marketing:** Partnering with influencers to promote products and reach a wider audience.
- **Email Marketing:** Building an email list and sending targeted promotions and newsletters to drive repeat purchases.
- **Search Engine Optimization (SEO):** Optimizing product listings and website content for search engines to drive organic traffic.
- **Affiliate Marketing:** Partnering with affiliates to promote products and earn commissions on sales.

Challenges:

- **Advertising Costs:** Increasing advertising costs, especially on platforms like Facebook and Google, can eat into profit margins.
- **Customer Acquisition Cost (CAC):** Keeping CAC low is crucial for profitability. Optimizing marketing campaigns and improving conversion rates are essential.
- **Competition for Attention:** Standing out in a crowded online marketplace requires creative and engaging marketing strategies.
- **Building Brand Loyalty:** Building brand loyalty and encouraging repeat purchases is essential for long-term success.

6. Data-Driven Analysis for Continuous Optimization: Making Informed Decisions

Description: Using data analytics to track key performance indicators (KPIs) and make informed decisions to optimize operations and marketing strategies [6].

Opportunities:

- **A/B Testing:** Testing different product listings, marketing messages, and website designs to optimize conversion rates.
- **Customer Analytics:** Analyzing customer behavior to identify trends, preferences, and pain points.
- **Sales Data Analysis:** Tracking sales data to identify best-selling products, optimize pricing, and forecast demand.
- **Marketing Analytics:** Measuring the effectiveness of marketing campaigns and optimizing ad spend.

Challenges:

- **Data Overload:** Analyzing large amounts of data can be overwhelming. Focusing on key metrics and using data visualization tools is essential.
- **Data Accuracy:** Ensuring data accuracy is crucial for making informed decisions. Implementing data validation processes is essential.
- **Data Privacy:** Complying with data privacy regulations like GDPR and CCPA is essential.
- **Interpreting Data:** Understanding and interpreting data requires analytical skills and business acumen.

7. Seller Experience, Customer Experience, and Fulfillment Optimization: The Triad of Success

This section focuses on the interconnected elements that drive a successful low-priced e-commerce business: the seller's operational efficiency, the customer's satisfaction, and the streamlined process of getting products into customers' hands [7].

7.1 Seller Experience: Streamlining Operations for Efficiency

Description: The seller's experience encompasses the ease and efficiency of managing the online business, from product listing and order processing to customer service and data analysis.

Opportunities:

- **Automation:** Implementing automation tools for tasks like inventory management, order fulfillment, and customer support can significantly reduce manual effort and errors.
- **Centralized Dashboards:** Utilizing platforms or software that provide a consolidated view of sales, inventory, and customer data can improve decision-making.
- **Supplier Relationship Management (SRM):** Building strong relationships with reliable suppliers streamlines sourcing and communication, reducing potential disruptions.
- **Knowledge Base and Resources:** Creating and maintaining a comprehensive knowledge base for common tasks and issues can empower sellers to resolve problems efficiently.

Challenges:

- **Time Management:** Managing multiple aspects of the business, especially with high order volumes, can be time-consuming and overwhelming.
- **Scalability:** Scaling operations to handle increased demand can be challenging, requiring investments in infrastructure and resources.
- **Staying Updated:** Keeping up with evolving e-commerce trends, platform updates, and regulatory changes requires continuous learning.
- **Stress Management:** Dealing with customer issues, supplier problems, and technical glitches can be stressful.

7.2 Customer Experience: Building Loyalty Through Satisfaction

Description: The customer experience encompasses all interactions a customer has with the business, from browsing products to receiving and using them.

Opportunities:

- **Personalization:** Tailoring product recommendations, marketing messages, and customer service to individual preferences can enhance engagement.
- **Transparent Communication:** Providing clear and timely updates on order status, shipping information, and potential delays builds trust.
- **Responsive Customer Support:** Offering multiple channels for customer support (e.g., email, chat, social media) and responding promptly to inquiries and complaints.
- **User-Friendly Website/App:** Ensuring a seamless and intuitive browsing and purchasing experience across all devices.
- **Post-Purchase Engagement:** Following up with customers after purchase to solicit feedback, offer support, and encourage repeat purchases.

Challenges:

- **Managing Expectations:** Communicating realistic delivery times and product quality is crucial to avoid disappointment.
- **Handling Negative Reviews:** Addressing negative reviews professionally and promptly can mitigate damage to reputation.
- **Building Trust:** Establishing trust with customers in a competitive online environment requires consistent quality and reliable service.
- **Maintaining Consistency:** Ensuring a consistent and positive customer experience across all touchpoints can be challenging.

7.3 Fulfillment Optimization: Ensuring Timely and Cost-Effective Delivery

Description: Fulfillment optimization involves streamlining the process of getting products from the seller to the customer, focusing on speed, accuracy, and cost-effectiveness.

Opportunities:

- **Strategic Warehousing:** Placing inventory in strategically located warehouses can reduce shipping times and costs.
- **Automated Packing and Labeling:** Implementing automated packing and labeling systems can improve efficiency and accuracy.
- **Shipping Carrier Diversification:** Partnering with multiple shipping carriers can provide flexibility and competitive rates.
- **Real-Time Tracking:** Providing customers with real-time tracking information enhances transparency and reduces anxiety.
- **Packaging Optimization:** Using lightweight and cost-effective packaging materials can reduce shipping costs.

Challenges:

- **Shipping Delays:** Unforeseen shipping delays due to weather, logistics issues, or carrier problems can impact customer satisfaction.
- **Inventory Accuracy:** Maintaining accurate inventory records is essential to prevent overselling and shipping errors.
- **Handling Returns:** Managing returns efficiently and cost-effectively is crucial for customer satisfaction.
- **International Shipping:** Navigating customs regulations and international shipping complexities can be challenging.
- **Last-Mile Delivery:** Ensuring efficient and reliable last-mile delivery, especially in urban areas, can be challenging.

8. Profitability: Navigating the Margins of High-Volume Sales

This section delves into the core of any successful business: achieving and sustaining profitability. In the context of low-priced e-commerce, this requires a strategic approach that balances volume, cost control, and customer value [8].

8.1 Understanding the Unit Economics:

- **Low Margins, High Volume:** The fundamental principle is that small profit margins per unit are compensated by a high volume of sales. Accurate calculation of unit economics is critical. This includes:
 - Cost of Goods Sold (COGS)
 - Shipping Costs
 - Platform Fees
 - Marketing Expenses
 - Customer Acquisition Cost (CAC)
- **Lifetime Value (LTV):** Focusing on LTV is crucial. Even small profits per transaction accumulate over time with repeat customers. Implement strategies to encourage customer loyalty and repeat business.

8.2 Strategies for Maximizing Profitability:

- **Cost Minimization:**
 - Negotiate favorable pricing with suppliers.
 - Optimize shipping methods and packaging.
 - Utilize free or low-cost marketing channels (e.g., social media, SEO).

- Automate processes to reduce labor costs.
- **Price Optimization:**
 - Conduct market research to determine optimal price points.
 - Consider tiered pricing or bundling strategies.
 - Implement dynamic pricing based on demand and competition.
- **Upselling and Cross-selling:**
 - Offer complementary products or higher-value upgrades to increase average order value.
 - Create bundled deals or package discounts.
- **Reducing Returns and Refunds:**
 - Provide accurate product descriptions and images.
 - Implement quality control measures.
 - Offer responsive customer support to address issues promptly.
- **Data-Driven Decision Making:**
 - Analyze sales data to identify profitable product lines and customer segments.
 - Track key performance indicators (KPIs) such as conversion rates, CAC, and LTV.
 - Use A/B testing to optimize marketing campaigns and website design.

8.3 Challenges to Profitability:

- **Price Wars:** Intense competition can lead to price wars, eroding profit margins.
- **Rising Costs:** Increases in shipping costs, advertising costs, or supplier prices can impact profitability.
- **Inventory Management Issues:** Stockouts or excess inventory can lead to lost sales or increased storage costs.
- **Customer Acquisition Costs:** High CAC can make it difficult to achieve profitability, especially in competitive markets.
- **Economic Downturns:** Shifts in consumer spending habits during economic downturns can impact sales and profitability.
- **Fraud and Chargebacks:** dealing with fraudulent orders, and chargebacks can eat into profits.

8.4 Opportunities for Profit Growth:

- **Building a Brand:** Establishing a strong brand can create customer loyalty and justify premium pricing.
- **Expanding Product Lines:** Introducing new products or variations can increase sales and attract new customers.
- **International Expansion:** Targeting international markets can expand the customer base and increase sales volume.
- **Subscription Services:** Offering subscription services for recurring purchases can generate recurring revenue.
- **Affiliate Programs:** Implementing affiliate programs can help increase sales through third-party promotions.

9. AI and Machine Learning in Low-Priced E-commerce

The integration of Artificial Intelligence (AI) and Machine Learning (ML) presents significant opportunities for businesses operating in the low-priced e-commerce sector. These technologies can optimize various aspects of the business, from product discovery and marketing to customer service and supply chain management [9].

9.1 Product Discovery and Recommendations:

- **Personalized Recommendations:** ML algorithms can analyze customer browsing and purchase history to provide personalized product recommendations, increasing ¹ average order value and customer engagement.
- github.com
- **Trend Prediction:** AI can analyze vast datasets from social media, search engines, and e-commerce platforms to identify emerging product trends and predict demand, enabling businesses to stock in-demand items proactively.
- **Visual Search:** AI-powered visual search allows customers to find products by uploading images, improving product discoverability and enhancing the shopping experience.

9.2 Marketing and Advertising:

- **Targeted Advertising:** ML algorithms can analyze customer data to create highly targeted advertising campaigns, maximizing ad spend and improving conversion rates.
- **Dynamic Pricing:** AI can analyze market conditions, competitor pricing, and customer demand to dynamically adjust product prices, optimizing revenue and profitability.
- **Chatbots and Virtual Assistants:** AI-powered chatbots can provide instant customer support, answer frequently asked questions, and guide customers through the purchasing process.
- **Sentiment Analysis:** ML algorithms can analyze customer reviews and social media mentions to understand customer sentiment and identify areas for improvement.

9.3 Supply Chain and Inventory Management:

- **Demand Forecasting:** ML models can analyze historical sales data, seasonal trends, and external factors to accurately forecast demand, minimizing stockouts and excess inventory.
- **Inventory Optimization:** AI can optimize inventory levels across multiple warehouses and fulfillment centers, reducing storage costs and improving delivery times.
- **Fraud Detection:** ML algorithms can detect fraudulent transactions and prevent chargebacks, protecting businesses from financial losses.
- **Logistics Optimization:** AI can optimize shipping routes and delivery schedules, reducing shipping costs and improving delivery efficiency.

9.4 Customer Service and Experience:

- **Personalized Customer Support:** AI can analyze customer interactions to provide personalized customer support, resolving issues quickly and efficiently.
- **Automated Customer Feedback Analysis:** ML tools can automatically analyze customer feedback from surveys, reviews, and social media, providing actionable insights for improving customer experience.
- **Chatbot-driven customer interactions:** AI chatbots can handle basic customer service requests, freeing up human agents to handle more complex issues.

9.5 Challenges and Considerations:

- **Data Privacy:** Businesses must ensure that they comply with data privacy regulations when using AI and ML technologies.
- **Algorithm Bias:** ML algorithms can perpetuate existing biases in the data they are trained on, leading to discriminatory outcomes.
- **Implementation Costs:** Implementing AI and ML technologies can be expensive, requiring investments in software, hardware, and expertise.

- **Algorithm Transparency:** Understanding how AI and ML algorithms make decisions can be challenging, making it difficult to identify and address potential problems.

9.6 Opportunities:

- **Increased Efficiency:** Automation of tasks and processes.
- **Improved Customer Experience:** Personalized interactions and faster service.
- **Enhanced Decision Making:** Data driven insights to optimize all business areas.
- **Competitive Advantage:** Early adoption of AI and ML can provide a significant competitive advantage.

10. Go-to-Market Strategy: Launching and Scaling Your Low-Priced E-commerce Business

A well-defined go-to-market strategy is essential for a successful launch and sustainable growth. This section focuses on the key elements of developing and executing an effective strategy for selling low-priced items online [10].

10.1 Market Research and Target Audience Definition:

- **Niche Identification:** Pinpoint specific niches within the low-priced market that offer growth potential.
- **Customer Persona Development:** Create detailed customer personas to understand your target audience's demographics, psychographics, and buying behaviors.
- **Competitive Analysis:** Analyze competitors' pricing, product offerings, marketing strategies, and customer reviews.
- **Trend Analysis:** Stay up-to-date on emerging trends and consumer preferences to identify new product opportunities.

10.2 Product Positioning and Value Proposition:

- **Unique Selling Proposition (USP):** Define what makes your products or brand unique and appealing to your target audience.
- **Value Proposition:** Clearly communicate the benefits of your products, such as affordability, convenience, or novelty.
- **Brand Messaging:** Develop consistent brand messaging that resonates with your target audience and reinforces your value proposition.
- **Pricing Strategy:** Determine a competitive pricing strategy that balances profitability and customer value.

10.3 Channel Selection and Distribution:

- **E-commerce Platform Selection:** Choose the appropriate platform based on your budget, technical expertise, and target audience (e.g., Shopify, WooCommerce, Amazon, eBay, Etsy).
- **Dropshipping vs. Inventory Management:** Decide on a fulfillment strategy that aligns with your resources and goals.
- **Social Media Channels:** Select the social media platforms where your target audience is most active.
- **Marketplace Integration:** Consider integrating with relevant marketplaces to expand your reach.

10.4 Marketing and Promotion:

- **Social Media Marketing:** Develop a content strategy that engages your target audience and drives traffic to your store.
- **Influencer Marketing:** Partner with influencers to promote your products and reach a wider audience.
- **Search Engine Optimization (SEO):** Optimize your website and product listings for relevant keywords to drive organic traffic.

- **Paid Advertising:** Utilize paid advertising platforms like Google Ads and social media ads to reach targeted audiences.
- **Email Marketing:** Build an email list and send targeted promotions and newsletters to drive repeat purchases.
- **Content Marketing:** Create valuable content, such as blog posts, videos, and infographics, to attract and engage your target audience.
- **Promotional Offers:** Offer discounts, coupons, and bundled deals to incentivize purchases.
- **Affiliate Marketing:** Create an affiliate program to leverage other people's marketing efforts.

10.5 Launch Plan and Execution:

- **Pre-Launch Marketing:** Generate buzz and anticipation before your official launch.
- **Soft Launch:** Conduct a soft launch to test your website, fulfillment process, and marketing campaigns.
- **Official Launch:** Execute a coordinated launch plan across all channels.
- **Post-Launch Analysis:** Monitor key metrics and make adjustments to your strategy as needed.
- **Feedback Loops:** Actively solicit and respond to customer feedback.

10.6 Scaling and Expansion:

- **Data Analysis and Optimization:** Continuously analyze data to identify areas for improvement and optimize your strategy.
- **Product Line Expansion:** Introduce new products or variations to meet evolving customer needs.
- **International Expansion:** Explore opportunities to expand your business into new markets.
- **Partnerships and Collaborations:** Partner with other businesses or influencers to expand your reach.
- **Customer Retention Strategies:** Implement strategies to build customer loyalty and encourage repeat purchases.

11. Conclusion: The Viability and Future of Low-Priced E-commerce

The landscape of online retail presents a compelling opportunity for businesses to thrive by focusing on the high-volume, low-margin model of selling low-priced items. While challenges exist, the potential for profitability and sustainable growth is significant for those who implement strategic and data-driven approaches.

This white paper has explored the essential components for success in this domain, from meticulous product sourcing and efficient platform selection to targeted marketing and optimized fulfillment. The key takeaway is that profitability is not solely dependent on individual unit margins but rather on the aggregate effect of high sales volume, streamlined operations, and a relentless focus on customer satisfaction.

The key to navigating the intricacies of low-priced e-commerce lies in:

- **Strategic Niche Targeting:** Identifying and catering to specific consumer needs within the broader low-priced market.
- **Operational Excellence:** Implementing efficient inventory management, fulfillment, and customer service processes.
- **Data-Driven Optimization:** Leveraging analytics to continuously improve marketing, sales, and operational strategies.
- **Customer-Centric Approach:** Building trust and loyalty through exceptional customer experiences.

Looking ahead, the future of low-priced e-commerce is bright. Technological advancements, evolving consumer behaviors, and the continued growth of online marketplaces will create new opportunities for

entrepreneurs. The rise of social commerce, the increasing accessibility of global supply chains, and the ongoing demand for affordable products will further fuel this sector.

However, success will require adaptability and innovation. Businesses must remain agile, responding to market trends, technological advancements, and evolving customer expectations. The adoption of AI-powered tools, the integration of augmented reality (AR) for enhanced product visualization, and the development of sustainable business practices will be crucial for long-term success.

In conclusion, selling low-priced items online offers a viable and potentially lucrative business model. By understanding the unique dynamics of this market, implementing strategic approaches, and prioritizing customer satisfaction, businesses can unlock the potential for significant growth and profitability in the dynamic world of e-commerce.

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