PRÜFMAGAZIN
German Center for Qualified
Purchasing Decisions

Assessment Protocol

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Foreword

Dear Readers,

The present test report documents the applied testing procedures and the resulting evaluation criteria in a systematic and comprehensible manner. The objective of this document is to present the parameters used for assessment and to place their weighting within a methodological context in order to enable an objective evaluation of products.

The underlying testing framework is based on recognized models of product evaluation, which pursue both deductive and inductive approaches to analysis. Specific product features are examined, quantified through practical application, and the obtained data are compared against predefined benchmarks. This methodological foundation rests on the principle that a valid evaluation must take into account both objective parameters and subjective usage impressions in order to approximate real consumer experiences.

The evaluations are therefore derived from the PM procedure, which qualifies itself through the precise assessment of criteria and their relative weighting. This weighting reflects the relevance of individual aspects, based on their influence on market success and consumer acceptance. Reliability, objectivity, and transferability of the collected data to other products and usage environments remain at the center of the analysis.

Another essential component of this report is the explicit recording of interactions between different parameters. These interdependencies are carefully documented, as they provide deeper insights into product performance within specific parameter clusters. This, in turn, allows for a holistic perspective that extends beyond isolated evaluations and highlights the complexity of product assessment.

It should also be noted that the present analysis incorporates practice-oriented tests designed to replicate realistic usage scenarios. The collected data are applied to evaluate both strengths and weaknesses, which are then interpreted within a multidimensional framework to ensure comparability across different product types.

The subsequent analysis thus delivers a detailed breakdown of testing criteria, parameter weightings, and evaluation methodology. This structure ensures that all models and empirical findings are transparently documented.

Yours sincerely,
The Prüfmagazin Team

Product	0
Brand	0
License Number	2601000743
Category	Electronics

Score Distribution – Evaluation Areas	Total Score	Maximum Score
Product-Specific Characteristics	*91*	*100*
Usage and Safety	*105*	*120*
Customer Perception and Service	*66*	*80*
Total	262	300
Percentage	**87%**	

Assessment Result

Rating	Overall Grade
VERY GOOD	**1.6**

Valid from	**2026-01-15**
Valid until	2027-01-15
Initial certification	2026-01-15

Prüfmagazin

Center for Qualified Purchase Decisions
Authorized by Quality Control – Laboratory Management

The conformity of the tested product has been verified and certified in accordance with the assessment standards of the PM procedure.

Grading Scale

Assessment	Score	Grade	Percentage
excellent	100-95	1,0 - 1,2	100 - 95%
very good	94 - 85	1,3 - 1,7	94 - 85%
good	84 - 75	1,8 - 2,4	84 - 75%
satisfactory	74 - 65	2,5 - 3,4	74 - 65%
sufficient	64 - 50	3,5 - 4,4	64 - 50%
insufficient	49 - 0	4,5 - 5,0	49 - 0%

3 | Assessment Report: Evaluation of Test Parameters

#	Evaluation Area	Definition – Evaluation Area & Test Parameter	Overall Share	Maximum Score	Achieved Score	in %
A	Product-Specific Characteristics	Examines the physical characteristics and craftsmanship of a product. Both material quality and visual design are analyzed.	33%	100	91	91%
1	Quality & Workmanship	This evaluation assesses material quality and workmanship regarding robustness and precision. Focus lies on seams, processing, and surfaces to determine durability and manufacturing accuracy.	17%	50	47	94%
2	Design	Optical properties include color stability, shape, and overall design. Consistency, workmanship, signal effect, creative design, and visual harmony with intended use are reviewed.	7%	20	17	85%
3	Size & Weight	Physical dimensions and weight are tested for ergonomic handling and suitability for daily use. Durability and transport safety are examined under defined usage and environmental conditions.	10%	30	27	90%
B	Usage & Safety	How a product performs in everyday use and meets required safety standards. Ease of use is considered as much as risk minimization.	40%	120	105	88%
4	Functionality	The test examines reliable functionality in terms of performance, durability, and consistency. It evaluates whether expected results are achieved and ensures safe, fault-free operation without quality loss.	13%	40	34	85%
5	Usability & Handling	Usability and practical purpose are assessed. Intuitive handling, suitability for typical applications, user experience, and clarity of operation are analyzed.	13%	40	33	83%
6	Safety	Testing occurs under normal and extreme conditions. Compliance with relevant standards, risk awareness, and reduction of hazards during use are key criteria.	13%	40	38	95%
C	Customer Perception & Service	Customer orientation and the perceived value of a product. Focus is on how production quality aligns with customer expectations.	27%	80	66	83%
7	Advertising Claims	Evaluation considers whether the product's features and performance meet real-life expectations. Claimed advantages are compared with measurable outcomes.	5%	15	13	87%
8	Consumer Feedback	Design, scope, and perceived usefulness are reviewed from a consumer viewpoint. Strengths and weaknesses are highlighted based on practical relevance.	7%	20	17	85%
9	Packaging & Labeling	Packaging, labeling, workmanship, and materials are reviewed for quality, clarity, and accuracy. Certification and brand reputation enhance the product's perceived value.	5%	15	13	87%
10	Value for Money	The product's price-performance ratio is assessed. The justification of its price is reviewed through both objective and perceived value.	10%	30	23	77%

Please note:
The evaluation results are based on comprehensive and practice-oriented tests in which products and services are assessed and analyzed using quantifiable measurement outcomes. These are not long-term studies or laboratory experiments but rather application-driven tests reflecting real usage experiences. Our assessments reflect the expertise of our product testers and are established on the basis of well-founded analyses. While we strive to provide objective and fair evaluations, they should not be regarded as a complete assessment of all aspects of a product.

The analyses take into account both subjective impressions and objective facts obtained through the observations of our test experts. Our testing methods have been carefully developed to deliver reliable and transparent outcomes. However, no guarantees are given regarding absolute accuracy or completeness. The reports are based primarily on the manufacturer's information and the tests conducted, which means that the results also relate to the advertised features and functions of the products. The objective is to provide consumers with clear and comprehensible information through a serious and reliable testing process, thereby assisting them in making informed purchasing decisions.

4 | Systematic Weighting of Test Parameters

Pie chart showing the percentage weighting of test parameters:
- Quality & Workmanship 18%
- Design 7%
- Size & Weight 11%
- Functionality 14%
- Usability & Handling 14%
- Safety 14%
- Advertising Claims 5%
- Consumer Feedback 6%
- Packaging & Labeling 5%
- Value for Money 6%

Legend:
■ Product-Specific Characteristics ■ Usage & Safety ■ Customer Perception & Service
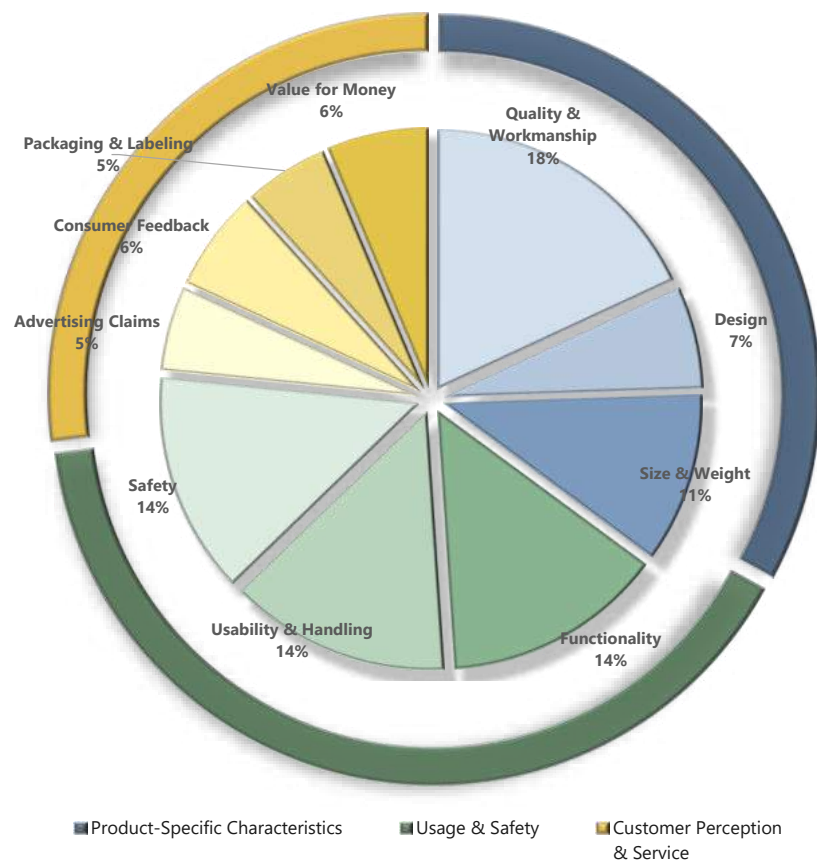
Evaluation Areas and Scale

The graphical presentation illustrates the percentage weighting of the test parameters defined by the PM Standard for product assessment. This standard establishes clear criteria to examine all relevant aspects in a systematic and objective manner. The parameters are grouped into three principal evaluation areas.

Product-Specific Characteristics include the parameters Quality & Workmanship, Design, as well as Size & Weight. These aspects are particularly significant, as they capture the essential attributes of a product that largely determine both its usability and durability. For this reason, this area accounts for 30% of the overall weighting, with Quality & Workmanship assigned the highest proportion.

The area of **Usage & Safety** covers the parameters Functionality, Usability & Handling, and Safety. These ensure that a product is not only appealing in appearance but also safe and effective in everyday use. With a total weighting of 40%, this area reflects its critical importance: the safety and practical applicability of a product are decisive for consumer acceptance.

Finally**, Customer Perception & Service** encompasses the parameters Advertising Claims, Consumer Feedback, Packaging & Labeling, and Value for Money. These provide an indispensable complement, as they capture the expectations and experiences of consumers and directly influence the overall assessment. The emphasis lies on the consistency between manufacturer claims and actual product performance, as well as on overall customer satisfaction. In total, this area contributes 30% to the final score.

Through the PM Standard, a weighting based on relevance is ensured, combining objective quality criteria with subjective consumer experiences and thereby offering a sound foundation for decision-making.

5 | Visual Representation of Quantitative Factors
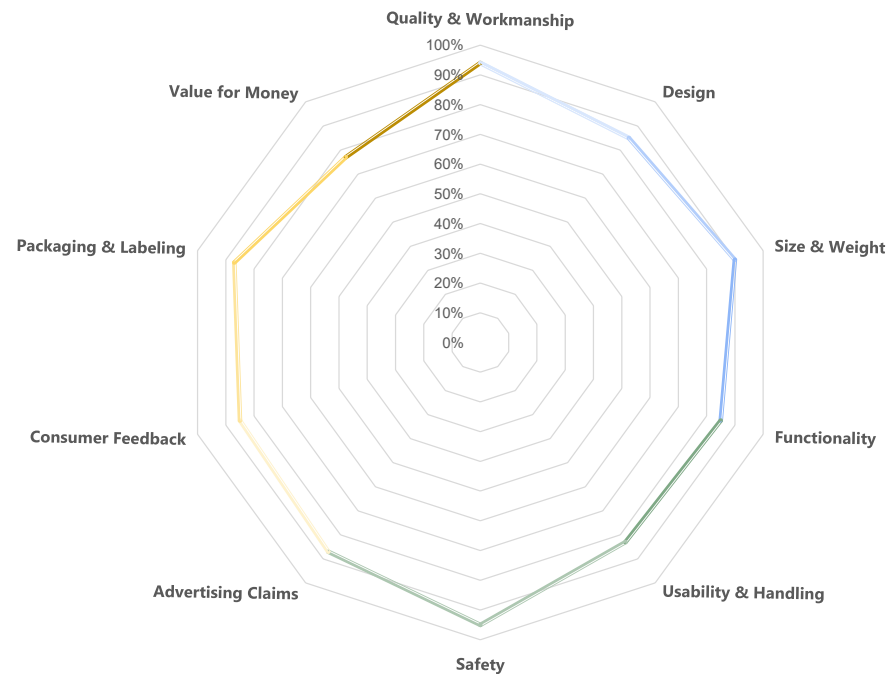
The **spider diagram** visualizes the multidimensional assessment of a product based on specific test parameters plotted across defined axes. It provides a comprehensive overview of performance indicators, illustrating their relative importance as weighted by the PM Standard. The extensions of the values on each axis reflect the achieved scores and thereby highlight product strengths and weaknesses. The resulting polygon offers an intuitive overall impression of the distribution of strengths and areas for improvement.

Symmetrical shapes indicate a balanced profile, whereas noticeable deviations point to potential areas for optimization. The diagram thus enables a differentiated evaluation of quality features, allowing for targeted recommendations in strategic product development. By condensing complex evaluation data into a clear format, it delivers valuable insights into product quality and avenues for improvement.
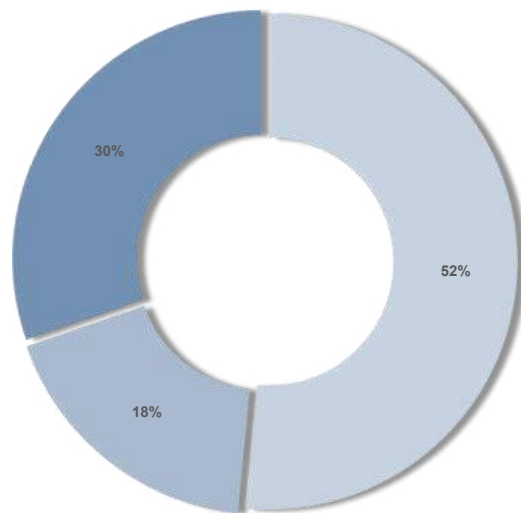
The **spider diagram** does not merely permit direct comparisons between different parameters but also accentuates whether a product demonstrates pronounced strengths or weaknesses. A uniformly filled polygon suggests a well-balanced product, while asymmetries signal weaknesses in particular areas or highlight concrete optimization needs.

This **visual representation simplifies the analysis** of product performance by making the results instantly accessible. Products with high values across most axes show clear overall strength, while drops in certain areas generate actionable recommendations for improvement. Ultimately, the diagram consolidates findings into a strategic product profile and provides a foundation for informed decisions in product development and market positioning.
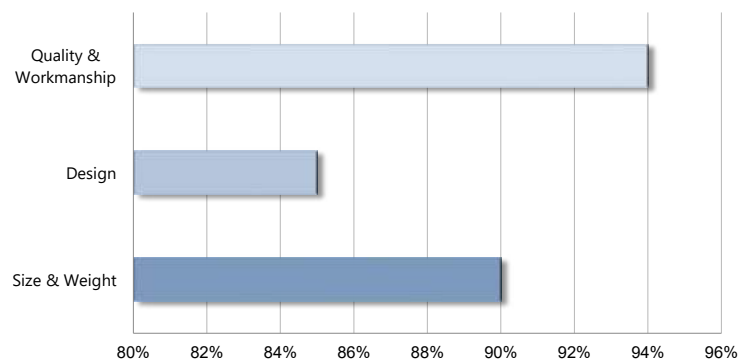
6.A | Evaluation Area: Product-Specific Characteristics

Percentage Distribution of the Evaluation Area

■ Quality & Workmanship   ■ Design   ■ Size & Weight

30%
52%
18%

Test Results – Evaluation Area as per Test Report

Category	
Quality & Workmanship	
Design	
Size & Weight	

80% 82% 84% 86% 88% 90% 92% 94% 96%

Quality & Workmanship

Strengths

Aluminum housing enables passive heat dissipation without fan operation; USB 3.2 Gen 2 ports demonstrably achieve 900-1,000 MB/s transfer rates; Braided 80cm cable increases tensile strength versus standard PVC; Connectors sit firmly without wobbling during insertion/removal; Housing remains only hand-warm under sustained load without overheating

Weaknesses

Integrated USB-C cable permanently attached, non-replaceable if defective; No protective caps on u

Design

Strengths

Vertical tower design saves approximately 50% desk space versus horizontal docks; Space Grey surface in matte aluminum offers understated aesthetics; LED status display visualizes port activity; Rear-facing connectors reduce cable visibility

Weaknesses

LED display poorly readable in direct daylight/sunlight; Permanent LED illumination without power-off function; Only one color variant available

Size & Weight

Strengths

Compact 12.8cm height with 6.6×6.68cm footprint minimizes space requirements; Estimated 200g weight enables transport without noticeable burden; Stability ensured even with fully populated dock without tipping
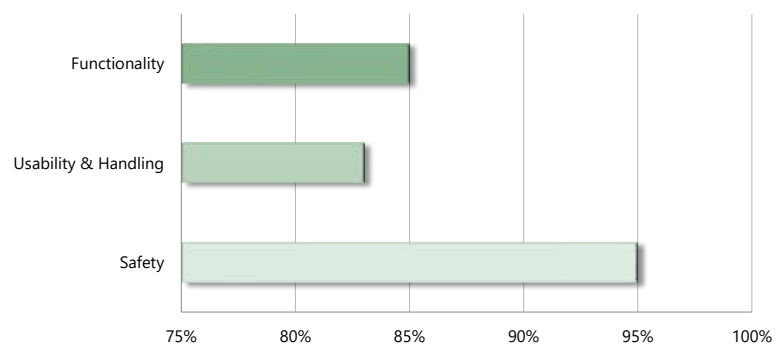
Weaknesses

80cm permanently attached cable constrained for setups with greater laptop distance

6.B | Evaluation Area: Usage & Safety

Percentage Distribution of the Evaluation Area

- Functionality
- Usability & Handling
- Safety

34%
33%
33%
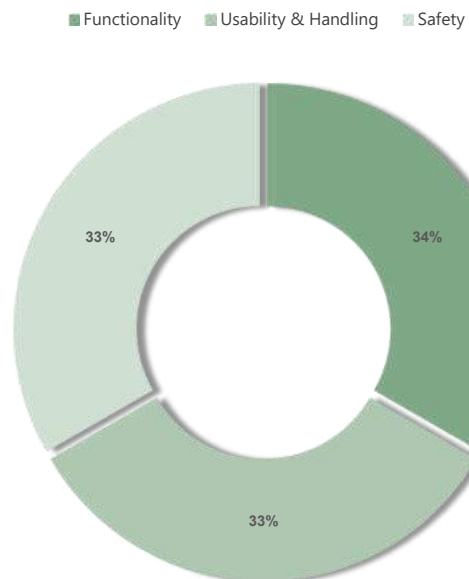
Test Results – Evaluation Area as per Test Report

Functionality

Strengths	DisplayLink DL-6950 chip enables three independent monitors on M1/M2/M3 MacBooks; 4K@60Hz per monitor technically realized in dual-display mode; USB 3.2 Gen 2 delivers consistent 10 Gbps (900-1,000 MB/s measured); Gigabit Ethernet achieves stable 1,000 Mbps; 100W Power Delivery input supports laptop charging up to 85W pass-through
Weaknesses	Triple-monitor mode limited to 4K@30Hz instead of 60Hz; Pass-through charging only 85W instead of advertised 100W; Front USB ports charge smartphones slower than specification suggests; Missing SD/microSD card reader

Usability & Handling

|	
Strengths	Windows plug-and-play without driver installation; Screen-lock button eliminates Win+L keyboard shortcut; Magnetic base adheres firmly preventing slippage; All monitors reactivate automatically after standby mode; USB-C and USB-A connectors front-facing for rapid access
Weaknesses	macOS requires DisplayLink driver installation, not plug-and-play; Manual only EN/CN with small print, USB-C cable configuration unclear; Bluetooth adapters at hub cause 2.4GHz interference with wireless peripherals; Occasionally screen remains frozen after standby

Safety

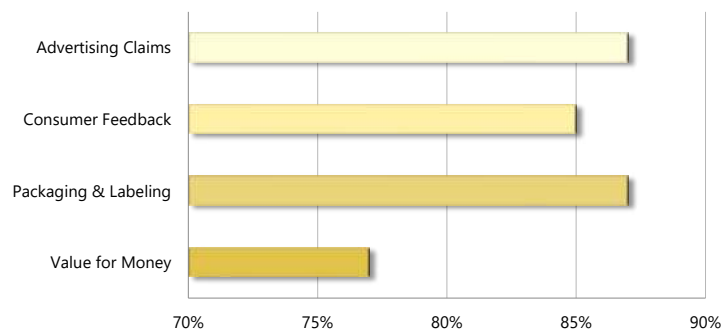|	
Strengths	CE marking fulfills EU minimum standards; No sharp edges detectable on aluminum housing; Stability on level surfaces ensured; Passive cooling eliminates overheating risks through fan absence
Weaknesses	No additional safety certifications (TÜV, GS) documented; Missing power switch increases standby power consumption

6.C | Evaluation Area: Customer Perception & Service

Percentage Distribution of the Evaluation Area

- Advertising Claims
- Packaging & Labeling
- Consumer Feedback
- Value for Money

23%

27%

23%

27%
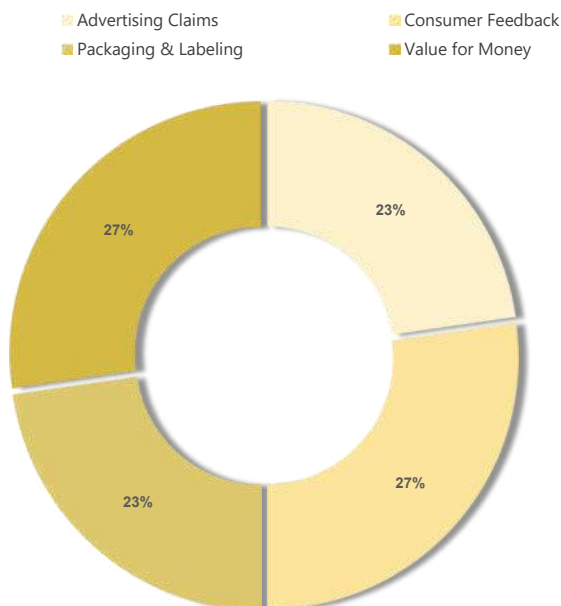
Test Results – Evaluation Area as per Test Report

Advertising Claims

Strengths

3 monitors in 4K fulfilled at 60Hz individually, 30Hz triple; "M1/M2/M3 MacBook compatibility" verified through DisplayLink; "10 Gbps data transfer" confirmed with 900-1,000 MB/s; "100W PD fast charging" input achieved, output 85W

Weaknesses

20GB in 20 seconds only achievable under ideal conditions; "Years of use" not verifiable without long-term testing

Consumer Feedback

Strengths

Users praise stable multi-monitor function without flickering (18 mentions); M1/M2/M3 MacBook compatibility repeatedly confirmed (12 mentions); Premium aluminum workmanship appreciated (15 mentions); Months-long continuous stability without crashes reported (11 mentions); Screen-lock button evaluated as practical (4 mentions)

Weaknesses

Users criticize high price of 190-200 EUR (14 mentions); Integrated 80cm cable too short criticized (11 mentions); Missing power switch disruptive (8 mentions); Confusing manual mentioned multiple times (7 mentions)

Packaging & Labeling

Strengths

CE marking present; Manual explains USB-C cable configuration; Packaging adequately protects product against transport damage; 24-month legal warranty applies (EU regulation)

Weaknesses

Power adapter absence not prominently visible on packaging; Manual only EN/CN, no German language version; No information on material recycling or disposal

Value for Money

Strengths

Price 190-200 EUR market-appropriate for DisplayLink docks with 11 ports; DisplayLink chip justifies premium versus standard USB-C docks; 11-in-1 connectivity variety exceeds budget docks with 7-9 ports; Innovation Award nomination confirms market position

Weaknesses

No stated warranty information reduces perceived value; Price at upper mid-range limit without Thunderbolt functionality; No power adapter included increases total cost