

# Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. **86 102 - 09 HH**

Company **Mariner Systems (UK) Ltd.**  
**Oaklands Park**  
**Wokingham, Berkshire RG41 2FD, UNITED KINGDOM**

Product Description **HP ProCurve Switch**  
**HP ProCurve Switch 1400 & 1700 Series**

Type **ProCurve Switch 1400-8G J9077A; ProCurve Switch 1400-24G J9078A**  
**ProCurve Switch 1700-8 J9079A; ProCurve Switch 1700-24 J9080A**

Environmental Category **C; EMC1**

Technical Data /  
Range of Application **Voltage 100-127 / 200-240 VAC**  
**Current 1.0 / 0.8 A**  
**Power consumption 18 W**  
**Frequency 50 / 60 Hz**  
**ProCurve Switch 1400-24G: 24-port 10/100/1000 switch with 22 10/100/1000 ports**  
**and 2 dual-personality ports**  
**ProCurve Switch 1400-8G: a small-form-factor switch with 8 10/100/1000 ports**  
**Memory and Processor 128 KB RAM/ROM capacity; packet buffer size: 144 KB**  
**Performance**  
**100 Mb < 3.9 µs (64-byte packets)**  
**1000 Mb < 2.1 µs (64-byte packets)**  
**Throughput up to 11.9 million pps**  
**Switching capacity 16 Gbps**  
**MAC address table size 8000 entries**

Tests and evidence according Requirement class 3

Test Standard **Guidelines for the Performance of Type Tests, Part 2, Edition 2003**  
**Regulations for the Use of Computers and Computer Systems**

Documents **Test Report Test File No. TL1200 dated 25-03-2008; Drawing MS 650\_A and MS**  
**660\_A dated 25-03-2008; Product Description : Specification ProCurve Switch 1400**  
**series DA - 12733 Version 2 dated 01-11-2007; Specification ProCurve Switch 1700**  
**series DA - 12734 Version 2 dated 02-11-2007**

Remarks **None**

Valid until **2015-02-14**

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Type Approval Symbol

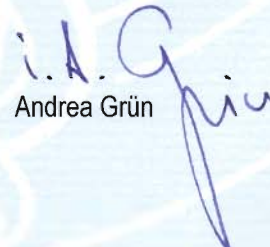


File No. **I.B.08**

Hamburg, **2010-02-15**

**Germanischer Lloyd**

  
Marco Rinkel

  
Andrea Grün

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".

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ProCurve Switch 1700-24: 24-port switch with 22 10/100 ports plus 2 dual-personality ports  
ProCurve Switch 1700-8: small-form-factor switch with 7 10/100 ports and 1 10/100/1000 port  
Memory and Processor 1 MB flash, 1 MB RAM/ROM capacity; packet buffer size: 144 KB

#### Performance

- 100 Mb Latency < 3.9  $\mu$ s (64-byte packets)
- 1000 Mb Latency < 2.1  $\mu$ s (64-byte packets)
- Throughput up to 2.0 million pps (64-byte packets)
- Switching capacity 3.4 Gbps
- MAC address table size 8000 entries

Tests and evidence according Requirement class 3

Valid until                            2015-02-14

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