

	HMG-448GEPT	HMG-448GEPTZ3	HMG-838GPET	HMG-838GPETZ3	HMG-8128GEP	HMG-1648GEP
Supported modules						
SFP+ 10 Gigabit Ethernet	–	–	–	–	–	–
SFP Gigabit Ethernet	●	●	●	●	●	●
SFP Fast Ethernet	●	●	●	●	●	●
Number of Ports						
Maximum Number of Ports	8	8	11	11	20	20
10 Gigabit Ethernet	–	–	–	–	–	–
Gigabit 10/100/1000Mbps	4	4	8	8	8	16
Fast Ethernet 10/100Mbps	–	–	–	–	–	–
SFP port 100/1000Mbps	4	4	3	3	12	4
Power Input						
-48VDC	–	●	–	●	–	–
12/24/48VDC	●	●	●	●	●	●
110/220VAC (88~264VAC)	–	–	–	–	–	–
110/220VDC (88~300VDC)	–	–	–	–	–	–
Installation Options						
DIN-Rail Mounting	●	●	●	●	●	●
Supported Operating Temperature						
-10 to 70°C	●	●	●	●	●	●
-40 to 80°C	●	●	●	●	●	●
Redundancy & Back-up						
Direct-Ring	●	●	●	●	●	●
Direct-Chain	●	●	●	●	●	●
Join-Ring	●	●	●	●	●	●
Multiple Direct-Ring	●	●	●	●	●	●
STP/RSTP	●	●	●	●	●	●
MSTP	●	●	●	●	●	●
ITU-T G.8032 ERPS	●	●	●	●	●	●
Network Management						
GOOSE Message	–	–	–	–	–	–
IEEE 1588 PTP V2	●	●	●	●	●	●
Port Trunking/LACP	●	●	●	●	●	●
VLAN/GVRP/MVR	●	●	●	●	●	●
QoS	●	●	●	●	●	●
IGMP/MLD Snooping	●	●	●	●	●	●
DHCP Option 82	●	●	●	●	●	●
SNMP/RMON	●	●	●	●	●	●
LLDP	●	●	●	●	●	●
Port Security	●	●	●	●	●	●
IP Source Guard	●	●	●	●	●	●
ARP Inspection	●	●	●	●	●	●
Port & MAC based Authentication (IEEE 802.1X)	●	●	●	●	●	●
RADIUS / TACACS+ 3.0	●	●	●	●	●	●
ACL (Access Control Lists)	●	●	●	●	●	●
HTTPS / SSL / SSH V2	●	●	●	●	●	●
IPv6	●	●	●	●	●	●
Alarm Relay	●	●	●	●	●	●
Standards & Approvals						
CE/FCC	●	●	●	●	●	●
UL 60950-1	●	●	●	●	●	●
NEMA TS2	●	●	●	●	–	–
EN 50121-4	●	●	●	●	●	●
IEC 61850-3	–	–	–	–	–	–

	HUG-500GSEN	HUG-800GSEN	HUG-421GEM	HUG-423GEK	HUG-428GE	HUG-518GSE	HUG-828EN
Supported modules							
SFP Gigabit Ethernet	–	–	–	–	●	●	●
SFP Fast Ethernet	–	–	–	–	●	●	–
Number of Ports							
Maximum Number of Ports	5	8	6	6	6	6	10
Gigabit 10/100/1000Mbps	5	8	4	4	4	5	–
Fast Ethernet 10/100Mbps	–	–	–	–	–	–	8
Multi-mode fiber port	–	–	2 (SC)	–	–	–	–
Single-mode fiber port	–	–	–	2 (SC)	–	–	–
SFP port 100/1000Mbps	–	–	–	–	2	1	2(1000Mbps)
Power Input							
12/24/48VDC	●	●	●	●	●	●	●
Installation Options							
DIN-Rail Mounting	●	●	●	●	●	●	●
Supported Operating Temperature							
-10 to 70°C	●	●	●	●	●	●	●
-40 to 80°C	●	●	●	●	●	●	●
Standards & Approvals							
CE/FCC	●	●	●	●	●	●	●
UL 60950-1	–	–	●	●	–	–	–
EN 50121-4	●	●	●	●	●	●	●
EN 61000-6-2	●	●	●	●	●	●	●
EN 61000-6-4	●	●	●	●	●	●	●

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