

	CMG-428GEPTAT	CMG-428GEPTZ1AT	CMG-428GEPZ2BT	CMG-838GEPTAT	CMG-838GEPTZ1AT	CMG-1688GEPZ2AT
Supported modules						
SFP Gigabit Ethernet	●	●	●	●	●	●
SFP Fast Ethernet	●	●	●	●	●	●
Number of Ports						
Maximum Number of Ports	6	6	6	11	11	24
Gigabit 10/100/1000Mbps	4	4	4	8	8	16
Fast Ethernet 10/100 Mbps	–	–	–	–	–	–
Number of PoE Ports	4	4	4	8	8	8
SFP port 100/1000Mbps	2	2	2	3	3	8
Power Input						
-48VDC	–	●	●	–	●	●
48VDC	–	–	●	–	–	●
24/48VDC	●	●	–	●	●	–
Power Budget	120W	120W	240W	180W	180W	240W
PoE Technology Supported	PoE/PoE+	PoE/PoE+	PoE/PoE+/PoE++	PoE/PoE+	PoE/PoE+	PoE/PoE+
Installation Options						
DIN-Rail mounting	●	●	●	●	●	●
Supported Operating Temperature						
-10 to 60°C	●	●	●	●	●	●
-40 to 75°C	●	●	●	●	●	●
Redundancy & Back-up						
Direct-Ring	●	●	●	●	●	●
Direct-Chain	●	●	●	●	●	●
Join-Ring	●	●	●	●	●	●
Multiple Direct-Ring	●	●	●	●	●	●
STP/RSTP	●	●	●	●	●	●
MSTP	●	●	●	●	●	●
ITU-T G.8032 ERPS	●	●	●	●	●	●
Network Management						
PoE Management	●	●	●	●	●	●
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	●	●	●	●	●	●

	CMG-428EPTAT	CMG-428EPZ2BT	CMG-838EPTAT	CMG-1688EPZ2AT
Supported modules				
SFP Gigabit Ethernet	●	●	●	●
SFP Fast Ethernet	●	●	●	●
Number of Ports				
Maximum Number of Ports	6	6	11	24
Gigabit 10/100/1000Mbps	–	–	–	–
Fast Ethernet 10/100 Mbps	4	4	8	16
Number of PoE Ports	4	4	8	8
SFP port 100/1000Mbps	2	2	3	8
Power Input				
-48VDC	–	●	–	●
48VDC	–	●	–	●
24/48VDC	●	–	●	–
Power Budget	120W	240W	180W	240W
PoE Technology Supported	PoE/PoE+	PoE/PoE+/PoE++	PoE/PoE+	PoE/PoE+
Installation Options				
DIN-Rail mounting	●	●	●	●
Supported Operating Temperature				
-10 to 60°C	●	●	●	●
-40 to 75°C	●	●	●	●
Redundancy & Back-up				
Direct-Ring	●	●	●	●
Direct-Chain	●	●	●	●
Join-Ring	●	●	●	●
Multiple Direct-Ring	●	●	●	●
STP/RSTP	●	●	●	●
MSTP	●	●	●	●
ITU-T G.8032 ERPS	●	●	●	●
Network Management				
PoE Management	●	●	●	●
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	●	●	●	●

	CUG-828EAT	CUG-428GEAT	CUG-428GEBT	CUG-600GEAT	CUG-421GEAT	CUG-423GEAT
Supported modules						
SFP Gigabit Ethernet	●	●	●	–	–	–
SFP Fast Ethernet	●	●	●	–	–	–
Number of Ports						
Maximum Number of Ports	10	6	6	6	6	6
Gigabit 10/100/1000Mbps	–	4	4	6	4	4
Fast Ethernet 10/100 Mbps	8	–	–	–	–	–
Number of PoE Ports	8	4	4	4	4	4
Multi-mode fiber port	–	–	–	–	2 (SC)	–
Single-mode fiber port	–	–	–	–	–	2 (SC)
SFP port 1000Mbps	2	–	–	–	–	–
SFP port 100/1000Mbps	–	2	2	–	–	–
Power Input						
-48VDC	–	–	–	–	–	–
48VDC	●	–	●	–	–	–
24/48VDC	–	●	–	●	●	●
Power Budget	240W	120W	240W	120W	120W	120W
PoE Technology Supported	PoE/PoE+	PoE/PoE+	PoE/PoE+/PoE++	PoE/PoE+	PoE/PoE+	PoE/PoE+
Installation Options						
DIN-Rail Mounting	●	●	●	●	●	●
Supported Operating Temperature						
-10 to 60°C	●	●	●	●	●	●
-40 to 75°C	●	●	●	●	●	●
Standards & Approvals						
CE/FCC	●	●	●	●	●	●
UL 60950-1	–	●	●	●	●	●
EN 50121-4	●	●	●	●	●	●
EN 61000-6-2	●	●	●	●	●	●
EN 61000-6-4	●	●	●	●	●	●

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