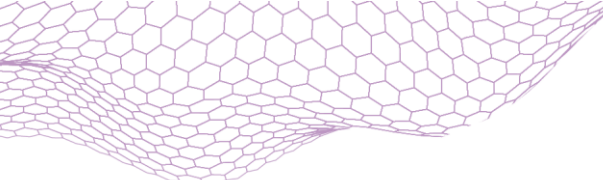




4G DUAL MODULE ACTIVE/ACTIVE CELLULAR GATEWAY

DDCG SERIES





SYNOPSIS

- THE DDCG 5 AA J IS A HIGH-POWERED INDUSTRIAL CELLULAR MODULE WITH EMBEDDED REAL TIME OPERATING SYSTEM.
- HIGH-POWERED INDUSTRIAL 32 BITS CPU.
- DUAL CELLULAR MODULE, ACTIVE/ACTIVE MODE.
- SUPPORT LOAD BALANCING & LOAD SHUNT
- SUPPORT LOW-CONSUMPTION MODE, INCLUDING SLEEP MODE, SCHEDULED ONLINE/OFFLINE MODE, SCHEDULED POWER-ON/POWER-OFF MODE (OPTIONAL)
- SUPPORT STANDARD WAN PORT & PPPOE PROTOCOL THAT CAN CONNECT TO ADSL DIRECTLY
- ENTER INTO COMMUNICATION STATE AUTOMATICALLY WHEN POWERED
- SUPPORT SEVERAL WORK MODES
- CONVENIENT CONFIGURATION AND MAINTENANCE INTERFACE WEB OR CLI
- SUPPORT STANDARD RS232 (OR RS485/RS422), ETHERNET & WIFI PORTS.
- IT HAS BEEN WIDELY USED ON M2M FIELDS, AND SUPPORT MODBUS RTU TO MODBUS TCP CONVERSION.
- IP30 PROTECTION
- DC 5 TO 36V SUPPLY

STABILITY AND RELIABILITY

- SUPPORT HARDWARE AND SOFTWARE WDT
- SUPPORT AUTO RECOVERY MECHANISM, INCLUDING ONLINE DETECT, AUTO REDIAL WHEN OFFLINE TO MAKE GATEWAY ALWAYS ONLINE
- POWER PORT HAS REVERSE POLARITY PROTECTION AND OVERVOLTAGE PROTECTION

HIGH PERFORMANCE

- SUPPORT MASTER MODULE, STANDBY MODULE AND WAN (PPPOE, ADSL) OPTIONAL TRIPLE LINK BACKUP
- SUPPORT 2G/3G/4G/STATIC IP/DHCP/L2TP, PPTP, PPPOE WAN ACCESS METHODS
- SUPPORT DOUBLE LINK BACKUP BETWEEN LTE/WCDMA AND WAN (PPPOE, ADSL) (OPTIONAL)
- SUPPORT VPN CLIENT AND SERVER
- SUPPORT NTP, RTC
- SUPPORT MULTIPLE DDNS PROVIDERS
- SUPPORT VLAN, MAC ADDRESS CLONE, PPPOE SERVER
- SUPPORT WIFI 802.11 B/G/N, AP CLIENT, ADHOC, REPEATER BRIDGE MODE
- WIFI SUPPORT WEP, WPA, WPA2 ENCRYPTION AND MAC ADDRESS FILTER
- SUPPORT MULTI TRIGGER WAYS, SMS, RING AND DATA
- SUPPORT LINK DISCONNECTION WHEN TIMEOUT
- SUPPORT APN/VPDN
- SUPPORT DHCP SERVER AND CLIENT, FIREWALL, NAT, DMZ HOST, URL BLOCK, QOS, TRAFFIC STATISTICS, REAL TIME LINK SPEED STATISTICS ETC.
- FULL PROTOCOL SUPPORT, TCP/IP, UDP, ICMP, HTTP, HTTPS, OPTIONAL SMTP, POP3, OICQ, TELNET, FTP, SNMP, SSHD, IPCP, ARP, SNTP, TFTP ETC
- SUPPORT ADVANCED ROUTING RIP, OSPF, BGP
- SUPPORT EOIP TUNNELS.
- SUPPORT PORT BRIDGING.
- SUPPORT PACKET FILTER.
- SUPPORT LOCAL AND REMOTE FIRMWARE UPGRADE, IMPORT AND EXPORT CONFIGURE FILE.
- SCHEDULE REBOOT, SCHEDULE ONLINE AND OFFLINE, ETC.

TECHNICAL SPECIFICATIONS

INTERFACE TYPE

Hardware	FLASH : 16MB (Extendable to 64MB) DDR2 : 128MB (Extendable to 256MB)
Ethernet	1*10/100 Mbps LAN/WAN port 4*10/100 Mbps Ethernet Ports, Auto MDI/X
Serial	1*RS232 (or RS485/RS422) port
Data bits	5, 6, 7, 8
Stop bits	1, 1.5 (optional), 2
Parity	None, Even, Odd, (space, mark) (optional)
Baud rate	2400 to 115200 bps
LED Indicator	PWR, SYS, SIM, Online 1 & 2, Local Network, WAN, Wi-Fi, ETH, Signal Strength
Antenna	Double Cellular & 1 Wi-Fi, characteristic impedance 50 ohm
SIM/UIM	Standard 3V/1.8V user card interface, 15KV ESD protection
Reset	Restore the Gateway to its original factory default settings

CELLULAR SPECIFICATIONS

LTE FDD	2600/2100/1800/900/800MHz, (Band 1/3/7/8/20) 700/1700/2100MHz (Band 2/4/5/13/17/25 optional)
LTE TDD	2600/1900/2300MHz (Band 38/39/40/41) 800 / 1400 / 1800 MHz Band 27/61/62 Optional
DC-HSPA+/HSPA+/HSDPA/ HSUPA/WCDMA /UMTS	2100 / 1900 / 900 / 850 / 800 MHz (Band 1, 2, 5, 6, 8)
EDGE/GPRS/GSM	900/1800/1900MHz
Bandwidth	FDD LTE : DL : 100Mbps, UL: 50Mbps TDD LTE : DL : 61Mbps, UL: 18Mbps
TX power	<24 dBm
RX sensitivity	< -109 dBm

WI-FI SPECIFICATIONS

IEEE802.11 b/g/n	54Mbps for 11b/g & 150 Mbps for 11n WEP, WPA, WPA2
Tx Power	20dBm for 11n, 24 dBm for 11g & 26 dBm for 11b
RX sensitivity	<-72dBm@54Mbps

POWER

Standard Power	DC 12V/1.5A from external 230V AC adapter
Power range	DC 5 to 36V
Power	Standard RCA Power Jack, Reverse and Over voltage protection
Power consumption	Standby: 290 to 360 mA@12VDC Working: 340 to 610 mA@12VDC
Timing shutdown	2.57 to 4.2 mA@12DVC

MECHANICAL

Dimensions	207x135x28 mm
Ingress Protection	IP30
Weight	810gm
Housing	Iron

ENVIRONMENTAL

Operating Temperature	-35 to +75°C
Storage Temperature	-40 to +85°C
Relative Humidity	95% (non-condensing)
MTBF	500000 hours

ORDERING CODE

DDCG 5 AA XXX J

DDCG 5	4G Cellular Gateway with 1 WAN, 4 LAN, 1 Wi-Fi and 1 Serial port
AA	Dual Active Active Cellular Modules
XXX	232: RS232 485: RS485
J	Fixed