

AVIOSYS

International Inc.

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IP Power 9820MT

1U 19" Rack mount 8 port Remote power controller via web browser (WIN, Android & iOS)
HTTPS/SSL, Develop OWN language in webpage, Current meter of each port,
Voltage meter external , Temperature sensor.

Higher Current : 20Amp/110V or 15Amp/220V (Power Inlet as C20)

W/ LCD Display , Control each outlet On/Off by E-Mail, Save Log to outside server IP,
DI status change to auto control output DO, Chart for accumulated WATT per port consumed,
Line chart of consumed current, IR Remote Control, Auto Ping, Scheduler ,



Power Inlet- C19



IP Power 9820MT-S



IP Power 9820MT-T

For system integrator, there are several popular developing tools like TelNet, SNMP and HTTP Command (SDK) for 2nd development. The various applications of the 9820 includes :
Power Management, Server Management, Internet Controllable Timer, System Integration,
Remote Power Control in Remote locations.... etc.

User Friendly. Convenience Powerful.

Features & Specification -- IP Power 9820 -MT

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Hardware :

- 1) Network AC Power Control - can control and operate the High Power switch on / off via Internet / Ethernet.
Support web browser of PC / Smartphone with Win / iOS / Android system like **IE, Firefox, Google Chrome, & Safari.**
- 2) Support **HTTPS / SSL** -- high secure for Internet communication and e-mail -- "**Hacker**" prevention . Has "**HTTPS support SSL V3.0 & 2048 Certificates relating to SSL and 2048 encryption keys**"
- 3) Design for wide range electric power environment from 90V ~ 240V with auto-sensing , at **20 amp / 110V** or at **15 amp / 240V**, or at both
Support **HIGH Power usage inquire : Power Inlet C20**
1 port Input connections: IEC-320 C20 ,
8 port Output connections: IEC- 320 C13
Adopt high grade Component & Relay for better quality / performance / durability
Maximum current per Output : **10 Amp**
Maximum current total 8 Output : 20 Amp / 110V or 15 Amp / 240V
Maximum watt for lighting control : **2400 Watt** (such as T5 Fluorescent light – energy efficiency lighting)
- 4) Support the detection of **Current / Voltage** & external **Temperature**
Voltage Range : 90 ~ 240VAC ,
Current Range : 0~ 20 Amp , Temperature : **- 15°C ~ 60°C (5°F~ 140 °F)**

Alarm as over pre-setting value by beeper & send e-mail

User can preset the meter reading of low /high , there has **alarm** will be trigged while reach the pre-set meter reading value from any port of 9820 and device will automatically either turn ON / shut OFF or NO action (NONE) from any port of device user's appointed.
- 5) Live chart display the value of WH (Watt per Hour) of **Current Amp . Voltage . Temperature**
- 6) Has "**Inrush Current protection**" and supports for T5 fluorescent light (hi-energy efficiency lighting)
- 7) Has **Power Surge protection** & FUSE embedded in
- 8) Support 2 USB ports

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8-1) USB Webcam monitoring (need Support UPNP , M-JPG /YUV) to view the environment around the 9820 or **USB Flash Drive** for saving history / log information

8-2) Another USB port – for USB Battery Charging use only

If need **RS232 Serial port function** – by using an adopter cable of USB to RS232 connect to USB port -- it will enable to work as same as a Serial Port .

9) Handheld **IR Remote controller** for office / open space room / Lab where without PC and can be controlled for fast response or emergency use

10) **LCD Display** : Shows the meter reading of Current . Voltage, Temperature , IP address, per each port . Providing the visible warning for the Overloaded Circuits / Voltage and showing the temperature of the working area.

11) One **DI – Dry** contact to connect external device's sensor

12) Has one **12V DC** power output for external hub. router or other's 12V devices

13) Mounting Bracket Kit -- comes as standard accessory in shipping package for mounting on rack system.

Software :

1) Support Protocol -- HTTPS/HTTP, SSH/TelNet. SNMP(MIB) /SNTP. DHCP. TCP/IP. SMTP UDP. Dynamic DNS & DNS client. CNT . ADSL (PPPoE) . SNMPv3 .

3) Support the web browser of Windows , iOS and Android . Like IE , Chrome & Safari .

3) **MQTT** – supports Cloud IoT Server of **Microsoft AZURE** , **Google Cloud IoT** and **Amazon AWS IoT**

4) Support HIGH Power usage inquire

5) **System Log** to record the device informations & current / voltage usages .

6) Support **Log function & Save History** as CSV file for application .

7) **Back Up** -- quick back up and save the functions like Time Schedule, Network Setting. Ping Setting. status of Default I/O Setting for multiple devices

8) **Wake on Lan / Shutdown on Lan**

9) **QR Code** : create customized **QR code (IP address)**

10) **Time Schedule** -- can pre-set specific or planned date and time to turn power on / off automatically -- can set up to 29 group

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- 11) Support **Auto Ping** -- ping external and internal devices
- 12) **PoP3 e-mail** controls the power ON/OFF
- 13) Support **E-mail** and **public e-mail** , such as @gmail.com , @yahoo.com , @hotmail.com , @aol.cometc.
- 14) Convenience design for Smart phone control under OS : iOS , Android & Windows Phone.
- 15) APPs -- developed by Aviosys SW team , controls power on/off , plus meter reading of **Current / Voltage / Temperature** .
 - **Android APP** : free download from Google Play (type " **IPPower** ")
 - **Apple iOS APP** -- free download from Apple App Store (type " **IPPOWER** ")
- 16) Supports the protocol of " **BACnet/IP** " and " **Modbus/TCP** " .
- 17) Specific software developed by Aviosys and provided free of charge :
 - **SDK /HTTP Command** -- script allows end-user easily to apply into its own program
 - **IP Power Center SW** -- for linking multiple units of IP Power devices to be controlled under this one program in the same one PC .
- 18) CNT Function** (Cross Network Technology)- allows end user eliminate set up work on any Router without doing port forwarding , simply Plug & Play (use with APPs or IP Power Center) .