









## 4G - LTE Router

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	RTDI-450	RTDI-410	RTDI-302	RTDI-315	RTDI-317	RTDI-365
						
<b>Ethernet interfaces</b>	WAN : 1x 10/100 RJ45 + SFP LAN : 4x 10/100BT	1x WAN 1x LAN	1x WAN 1x LAN	1x WAN 3x LAN	1x WAN 3x LAN	1x WAN 1x LAN
<b>GNSS - GPS</b>	-	-	Yes	Yes	Yes	Yes
<b>POTS Telephone interface + Modem</b>	-	-	-	-	-	-
<b>Wi-Fi</b>	-	-	802.11 b/g/n	-	802.11 b/g/n	802.11 b/g/n
<b>Mobile Network Standards</b>	LTE UMTS / HSPA+ GPRS / EDGE GSM LTE FDD / TDD WCDMA GSM					
<b>Max data throughput</b>	CAT.4 LTE : 150 Mbps Down & 50 Mbps Up HSPA+ : 42 Mbps Down & 5.7 Mbps Up					
<b>SIM Cards</b>	2	1	1	2	2	1
<b>Serial interfaces</b>	1x RS232 / RS485	1x RS232 / RS485	1x RS232	1x RS232 + 1x RS485	1x RS232 + 1x RS485	1x RS232
<b>Digital Inputs and Outputs</b>	1x DI & 1x DO	1x DI & 1x DO	1x DI & 1x DO	2x DI & 1x DO	2x DI & 1x DO	1x DI & 1x DO
<b>Network Protocols</b>	Dual Stack IP v4 & v6 QoS, VLAN, DHCP, SNTP, DNS proxy	Dual Stack IP v4 & v6 QoS, VLAN, DHCP, SNTP, DNS proxy	Dual Stack IP v4 & v6 QoS, VLAN, DHCP, SNTP, DNS proxy	Dual Stack IP v4 & v6 QoS, VLAN, DHCP, SNTP, DNS proxy	Dual Stack IP v4 & v6 QoS, VLAN, DHCP, SNTP, DNS proxy	Dual Stack IP v4 & v6 QoS, VLAN, DHCP, SNTP, DNS proxy
<b>Routing Protocols</b>	Static, RIP, OSPF OpenVPN, IPsec AES128, AES256	Static, RIP, OSPF OpenVPN, IPsec AES128, AES256	Static, RIP, OSPF OpenVPN, IPsec AES128, AES256	Static, RIP, OSPF OpenVPN, IPsec AES128, AES256	Static, RIP, OSPF OpenVPN, IPsec AES128, AES256	Static, RIP, OSPF OpenVPN, IPsec AES128, AES256
<b>Security</b>	DMZ, Port filtering, MAC filtering, URL filtering, IP filtering	DMZ, Port filtering, MAC filtering, URL filtering, IP filtering	DMZ, Port filtering, MAC filtering, URL filtering, IP filtering	DMZ, Port filtering, MAC filtering, URL filtering, IP filtering	DMZ, Port filtering, MAC filtering, URL filtering, IP filtering	DMZ, Port filtering, MAC filtering, URL filtering, IP filtering
<b>Enhanced Security</b>	Secure-Boot SCEP	Secure-Boot SCEP	-	-	-	-
<b>Management</b>	http/https, ssh, telnet, syslog, snmp, Radius, SMS, email, alarm relay dual firmware image	http/https, ssh, telnet, syslog, snmp, SMS, email, alarm relay dual firmware image	http/https, ssh, telnet, syslog, snmp, SMS, email, alarm relay dual firmware image	http/https, ssh, telnet, syslog, snmp, SMS, email, alarm relay dual firmware image	http/https, ssh, telnet, syslog, snmp, SMS, email, alarm relay dual firmware image	http/https, ssh, telnet, syslog, snmp, SMS, email, alarm relay dual firmware image
<b>Environment</b>	Electricity Utility	Industrial	-20 to +70°C	-20 to +70°C	-20 to +70°C	-20 to +70°C
<b>Operating temperature range</b>	-20 to +65°C	-20 to +65°C	-20 to +70°C	-20 to +70°C	-20 to +70°C	-20 to +70°C
<b>Power supply</b>	12 - 24 Vdc	12 - 24 Vdc	12 - 24 Vdc	12 - 24 Vdc	12 - 24 Vdc	POE, 802.3af
<b>Max Power consumption</b>	12 W	7 W	7 W	7 W	7 W	7 W
<b>Format Case</b>	DIN Rail metal	DIN Rail metal	DIN Rail Wall mounting PCB integration Metal	DIN Rail Metal	DIN Rail Metal	IP65 Pole mounting ABS
<b>Dimensions mm</b>	110x100x60	110x100x42	91x28x74	110x60x106	110x60x106	170x225x89
<b>Weight</b>	0.9 kg	0.9 kg	0.25 kg	0.5 kg	0.5 kg	0,45 kg
<b>Use Cases</b>	Utility substation, Smart-Grid, Smart Metering, Wind & Solar Farms Public Transportation, Intelligent Traffic System, vehicle tracking Video protection, Remote Network Access, WAN backup over LTE					

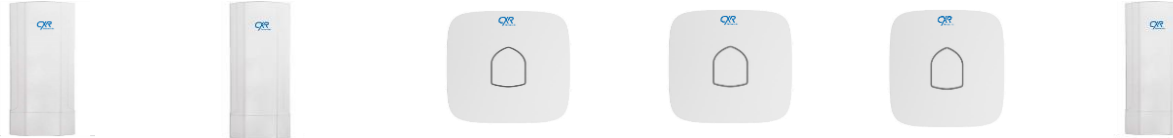




## Wi-Fi Access Points & Bridge

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### WBB-5890    WBB-5880    WAP-5760    WAP-5520    WAP-5230    WOAP-5200



AP Model P/N	WBB-5890	WBB-5880	WAP-5760	WAP-5520	WAP-5230	WOAP-5200
TYPE	5GHz Eth Bridge	5 GHz Eth Bridge	11ac Wi-Fi	11ac Wi-Fi	11ac Wi-Fi	11ac Wi-Fi
in-door or out-door	outdoor	outdoor	in-door	in-door	in-door	outdoor
Wi-Fi standards	a,b,g,n,ac	a,b,g,n,ac	a,b,g,n,ac	a,b,g,n,ac	a,b,g,n,ac	a,b,g,n,ac
Radio type	1x 900 Mbps	1x 300 Mbps	2.2 Gbps Wave2	1.2Gbps Wave2	750 Mbps	1.2Gbps Wave2
Total Radios	1	1	3	2	2	2
MIMO Technology	MIMO	MIMO	MU-MIMO	MU-MIMO	MIMO	MIMO
Max bandwidth	900 Mbps	900 Mbps	2.2 Gbps	1.2 Gbps	750 Mbps	1.2 Gbps
Max SSID	-	-	12	12	8	12
Max Vlans	-	-	48	48	24	48
Max Associated devices	-	-	256	128	100	128
Antennas	MIMO 18 dBi ~5/10 Km	MIMO 15 dBi ~3 km	4	2	2	2
Ethernet interfaces	1GbE PoE/PoE+ Uplink 1 GbE pass-through	1x 10/100 PoE/PoE+ Uplink 1x 10/100BT pass-through	1x GE /POE+ 1x GE	1x GE /POE+ 1x GE	1x 10/100BT / POE 1x 10/100BT	1x GE /POE+ 1x GE
POE requirement	802,3af	802,3af	802.3at	802.3at	802.3af	802.3at
Operating temperature	-20 to +65 °C	-20 to +65 °C	-10 to +55 °C	-10 to +55 °C	-10 to +55 °C	-20 to +60 °C
Max Power consumption	15 W	15 W	20 W	18 W	12 W	18 W
Format	outdoor, pole mounting	outdoor, pole mounting	Circular	Circular	Circular	outdoor, pole mounting
Dimensions mm	87 x 38 x 257	87 x 38 x 257	188 x 188 x 50	188 x 188 x 50	188 x 188 x 50	87 x 38 x 257
Weight	450g	450g	800g	800g	800g	700 g
Use Cases	Video cameras P2P / P2MP wireless line	Video cameras P2P / P2MP wireless line	Dense Offices Classrooms Hotels	Dense Offices Classrooms Hotels	Offices Hotels Library	Warehouse Hotspot



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