GALGUS® Datasheets for Transport IC480 (PREVIOUSLY AC1200ZBRTE-4G)

1167 Mbps Dual Band 2x2 MU-MIMO 802.11a/b/g/n/ac Wave 2

Galgus IC480 delivers the most advanced wireless communications features up to **300mW power 802.11ac wave 2** specially designed for vehicles linked to 3/4G networks.

Thanks to its robust cage and its external antennas, makes this product to be the ideal one for vehicles. **It is an excellent choice for small rooms fast moving scenarios, such as buses, cars, taxis, trucks, trains, rails, etc, to cover typical diverse usage: HD movies, streaming, wireless security, gaming, device location, positioning and other typical and future-coming tasks.**

Main Features

Antenna	4x SMB connectors for WIFI 2x2.4GHz + 2x5GHz 2x2 MIMO. Up to 100mW(20dBm) RF power. 2x 3/4G SMB + 1x SMB GPS connector
Interfaces	10/100/1000 Mbps RJ45 WAN Port WAN port supports IEEE 802.3at standard PoE 10/100/1000 Mbps RJ45 LAN Port 1xMicro SD memory card for additional storage 1xSIM + 1xUSB 2.0 port
WIFI Standard 802.11	802.11 a, b, g, n, ac Wave 2
PHY Capacity	2.4 GHz: 300 Mbps 5 GHz: 866 Mbps
QoS capabilities	Profile based packet priorities and planning. Bandwidth restriction for each SSID. VMM parameters modification Calling QoS classification and prioritization for wireless and wired interfaces
Power Supply	IEEE 802.3at PoE+ 4 pin power connector for external 9Vdc to 28Vdc /2A adapter.
Maximum Consumption	<15W
Humidity	Operating: 10% to 90% (non-condensing)
Operating Temperature	-20°C (-4°F) to 70°C (158°F)
Dimensions (H x W x D) **Weight Cage & mounting**	125.5 x 100.5 x 25 mm 245gr Aluminium cage. Floor, wall
Security	WIDS & WIPS CHT, ACL support, IEEE 802.11w RFC 6101 Secure Layer Socket, RFC 5246 Transport Layer Security, RFC 4253 Secure Shell Advanced Firewall with SYN-Flood protection MSS clamping, NAT, Port forwarding, Traffic Rules Support 64/128-bit WEP, 128bit WPA (TKIP/AES), WPA & WPA2 Personal and Enterprise with IEEE 802.1x and VLAN tagging, IPsec and L2TP passthrough, Key Management, PSK/TKIP Encryption, AES Encryption, Denial of Service Attack Protection, MAC Filtering (Dynamic Blacklist Hide SSID
WIFI features	IEEE 802.11h (DFS), WMM, Tx Beamforming, LDPC, STBC, , IEEE 802.11r/k/v, IEEE 802.11u LLDP Online signup and policy provisioning, Tag VLAN based on SSID Multiple SSIDs, Data aggregation, Packet priorities and planning, Statistics reporting, SW updates and configuration through DHCP auto-provisioning OFDM = BPSK,QPSK, 16-QAM, 64-QAM, 128-QAM and 256-QAM and DSSS = DBPSK, DQPSK, CCK modulations SSID broadcasting, Multi SSID up to 8 (4 SSID in 2.4GHz, 4 SSID in 5GHz)
Management & Diagnostics	Web GUI, RFC 1157 & 2271 – SNMP, RFC 3414 – SNMP v3 HTTP/HTTPS Web Server Telnet SSH, Network Controller Enhancer. Ping, Traceroute and Ns lookup tools. Syslog and Local Log support, Save and restore settings via Web Interface. Wireless RF status and throughput, TCP/UDP Connections statistics and details. Traffic metrics per interface, Load . Can manage the AP through VLAN ID, Map VLAN IDs to multiple SSID, IEEE 802.1q, , Up to 16 VLAN
IP & Network	IPv4, IPv6, IEEE 802.1d & 802.1s– STP, IEEE 802.1q – VLANs, RFC 2131 & RFC 2132 – DHCP Client/Server, RFC 1661 PPP, RFC 2516 PPPoE, RFC 2637 PPPtP, RFC 2661 L2TP, Static Leases, Domain whitelist, Firewall, IP filter, URL filter and MAC filter, Can work as: Gateway (PPPOE, static IP, dynamic IP) , Wireless AP, Repeater, WISP, Ad-Hoc and Pseudo Ad-Hoc, Monitor, Bridge. DDNS, VPN pass through, Port forwarding and DMZ host. UDP, TCP, DNS, NTP, STP,
IPv6	RFC 6333 Dual Stack, RFC 4213 IPv6-in-IPv6, RFC 4291/3315: Dynamic Host. DHCPv6