



# GPS/GNSS NTP Time Servers

## VCL-3048: NTP Time Server, IRIG-B

- Input: • GPS/GNSS
- Outputs: • NTP • 1PPS • IRIG-B (Unmodulated BNC, RS-232, RS-485 / RS-422)
- Power Supply: • 12V DC, 24V DC, 48V DC
- Service Capacity: • Suitable for servicing up to 3000 NTP / SNTP requests per second.



## VCL-2156: NTP, PRC (ITU-T G.811), IRIG-B, 1PPS

- Inputs: • GPS/GNSS, NTP
- Outputs: • NTP • 2.048MHz • 10MHz • 1PPM/1PPH • 1PPS • ToD NMEA 0183 • IRIG-B (Unmodulated and Modulated)
- Power Supply: • 24V DC, 48V DC, 110-220V DC, 110-240V AC, 1+1 Redundant PSU
- Service Capacity: • Suitable for servicing up to 7500 NTP / SNTP requests per second.



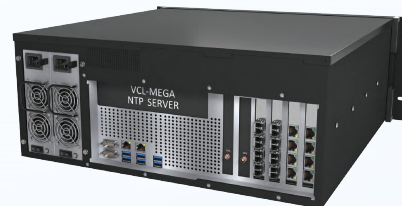
## VCL-2145-D / VCL-2145-DE: GPS/GNSS (1+1), PRC (G.811), PTP, NTP, IRIG-B

- Inputs: • GPS/GNSS (1+1), 10MHz, 2.048MHz, 2.048Mbit/s (E1)
- Outputs: • NTP • PTP • 1.544Mbit/s (T1) / 2.048Mbit/s (E1) • 2.048MHz • 10MHz • 1PPS • IPPM • IRIG-B • ToD NMEA-0183
- Power Supply: • 24V DC, 48V DC, 110-220V DC, 110-240V AC, 1+1 Redundant PSU
- Service Capacity: • Suitable for servicing up to 8900 NTP / SNTP requests per second.



## VCL-Mega, NTP Time Server

- Inputs: • GPS/GNSS, 1PPS
- Outputs: • 16 x 1G/10G NTP Outputs
- Power Supply: • 110~240VAC, 1+1 Redundant Hot-swappable PSU
- Service Capacity: • Suitable for servicing up to 1 Million NTP / SNTP requests per second.



NTP Servers

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