

# CS5118TD Omni-directional RTLS RFID Master Reader/Anchor with Ethernet

## Product Profile:

CS5118TD is an Ethernet enabled omni-directional (360 degrees) member of the CSL RTLS RFID reader/anchor family optimized for installation in the middle of the cell. This family consists of Real Time Location reader that can provide up to +/- 1 meter location resolution. CS5118TD is the omni-directional “Master” anchor whereas it manages the tag population in the cell.



## Features:

- +/- 1 meter location resolution in outdoor environment
- Long read range (up to 200m or above)
- 360 degree viewing angle – best for placing in the middle of a RTLS cell
- Ethernet connectivity with Power Over Ethernet (POE)
- Low power consumption – can be powered by external 12V or 24V battery
- Programmable LED
- Best location accuracy at lowest overall system cost in the industry

## Specifications:

<b>Physical Characteristics:</b>	Sealed enclosure: 19.5 cm x 16.5 cm x 4.8 cm; Weight 710 g	
<b>Read Range:</b>	Up to 200 meters in open space outdoor	
<b>Frequency Range:</b>	2400-2483 MHz ISM license-free band	
<b>Environment:</b>	Operating Temp: -40°C to 65°C (-40°F to 149°F) Storage Temp: -40°C to 85°C (-40°F to 185°F) Humidity: 0% to 95% RH non-condensing	
<b>Technology:</b>	CHIRP	
<b>Output RF Power:</b>	15 dBm EIRP (with 9dBi gain dipole antenna)	
<b>Antenna:</b>	4 different dipole antennae included for user's own selection (9dBi, 7dBi, 5dBi, 2dBi)	
<b>Ranging Method:</b>	Time Of Arrival (TOA)	
<b>Ranging Accuracy:</b>	Best case up to +/- 1 meter outdoor and +/- 2 meters indoor	
<b>Protocol:</b>	CSL RTLS Protocol, orderly inventory method to handle large tag population	
<b>Network Connectivity</b>	Ethernet, POE (Power Over Ethernet)	
<b>Dust &amp; Water:</b>	IP65	
<b>Display:</b>	LED x 2, Power and Signal	
<b>Power Requirement:</b>	PoE or 12V - 24 V DC supply	
<b>Accessories:</b>	24V power adaptor (CSLRTLS-AD-XX) and mounting kit (CSLRTLS-MOUNTING) included	
<b>Order Code:</b>	CS5118TD-XX	(where XX represents the power adaptor type: US: US-type; EU: European-type; UK: BS/UK/HK-type; AU: Australian-type)
<b>Accessories:</b>	CSLRTLS-AD-XX CSLRTLS-MOUNTING	(where XX represents the power adaptor type as above) (Mounting kit for RTLS anchor)