CS468 16-Port RFID Reader

Product Profile:

CS468 16-Port Reader is an Ethernet POE connected UHF EPC C1 G2 RFID reader with long read range and high read rate. This 16 port reader has fine grain control of RF output from the 16 ports that enables very high speed antenna switching, making it be suitable for fine grain multiport operations including smart-shelf for retails, document control, multi-lanes reading for vehicle tracking, and applications that either continuous monitoring or periodic inventory of large number of segmented space is needed. With the same API as CS203 integrated reader, the application development time can be greatly reduced and leading to faster time to market.

Features:

- **16 ports reader with long read range and high read rate**
- **Fine grain control of RF output for fast antenna switching**
- **Dense Reader Mode (DRM) available**
- **Global frequency coverage**
- **Ethernet connectivity, with POE (Power-over-Ethernet)**
- **Same API as that of CS203 integrated reader**
- **2 mounting methods: with multiplexer box piggy-backed on top of main unit or side by side with the main unit**

Specifications:

Physical Characteristics:	**Length: 272 mm; Width: 142 mm; Thickness: side by side – 25 mm & 22 mm; piggy-backed – 47 mm; Weight = 1.15 Kg**
Read Range:	**CS468-2 with CS772-2 antenna: 7 meters with AD431 tags from Avery Dennison and 12 meters with Dogbone tags from UPM Raflatec (for FCC version)**
Read Rate:	**~ 300 tags/second per port for selected Gen2 profile (max.) ~ 150 tags/second per port (typical)**
Protocol:	**ISO18000-6C, EPC UHF Class 1 Gen 2, Dense Reader Mode available**
Frequency Range:	**One of the following: 865-868 MHz, 865-867 MHz, 902-928 MHz, 952-956.4 MHz, 919-928 MHz, 910-914 MHz**
Output Power:	**27 dBm at RF connector (after multiplexer box)**
RF Connectors:	**Reverse Polarity SMA Jack**
External Control:	**2 x GPO and 2 x GPI**
Environment:	**Operating Temp: -20°C to 50°C (-4°F to 122°F) Storage Temp: -40°C to 85°C (-40°F to 185°F) Humidity: 95% Non-condensing**
Usage:	**Indoor use only, NEMA enclosure box is required for protection in outdoor environment**
Connectivity:	**Ethernet (with POE), USB**
Other Connectivity:	**Compatible with Ethernet-to-USB bridge, Ethernet-to-WiFi bridge and Ethernet-to-GSM/CDMA bridge**
Power Supply:	**12 Volt DC supply, or use POE (IEEE802.3af)**
Order Code:	**CS468-N N=1: 865-868 MHz (CE for Europe) & 865-867 MHz (for India), N=2: 902-928 MHz (FCC for USA), N=3: 952-956.4 MHz (Telec for Japan), N=4: 922-928 MHz (NCC for Taiwan), N=7: 920-925 MHz (SRRC for China, Australia, Malaysia, Hong Kong etc.)**

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