

Model Comparison CS2200 Series

MIL Connectors



	CS2201	CS2202	CS2207	CS2209	CS2211	CS2212	CS2213	CS2214	CS2241	CS2243
Product Picture										
Connector type	MIL	MIL	MIL	MIL	MIL	MIL	MIL	MIL	MIL	MIL
	Technical Specification									
Processor	Intel Xeon-E 2276ML 6 cores (12 threads)	Intel Xeon-E 2276ML 6 cores (12 threads)	Intel Xeon-E 2276ML 6 cores (12 threads)	Intel Xeon-E 2276ML 6 cores (12 threads)	Intel Xeon-E 2276ML 6 cores (12 threads)	Intel Xeon-E 2276ML 6 cores (12 threads)	Intel Xeon-E 2276ML 6 cores (12 threads)	Intel Xeon-E 2276ML 6 cores (12 threads)	Intel Xeon-E 2276ML 6 cores (12 threads)	Intel Xeon-E 2276ML 6 cores (12 threads)
RAM	Up to 64GB DDR4 ECC	Up to 64GB DDR4 ECC	Up to 64GB DDR4 ECC	Up to 64GB DDR4 ECC	Up to 64GB DDR4 ECC	Up to 64GB DDR4 ECC	Up to 64GB DDR4 ECC	Up to 64GB DDR4 ECC	Up to 64GB	Up to 64GB
Graphics	Intel HD Graphics 630	Intel HD Graphics 630	Intel HD Graphics 630	Intel HD Graphics 630	Intel HD Graphics 630	Intel HD Graphics 630	Intel HD Graphics 630	Intel HD Graphics 630	Intel HD Graphics 630	Intel HD Graphics 630
Storage	1x M.2 NVME (internal)	1x M.2 NVME (removable)	1x M.2 NVME (removable)	1x M.2 NVME (removable)	2x M.2 SATA (removable)	1x M.2 NVME (removable)	1x M.2 SATA (internal)	1x M.2 SATA (internal)	1x M.2 NVME (removable)	1x M.2 NVME (removable)
RAID	-	-	-	-	RAID 0,1 (Hardware)	-	-	-	-	-
Switch	-	-	-	-	-	-	-	-	-	-
PTP (IEEE 1588)	-	-	-	-	IEEE 1588v2	-	-	-	-	-
Dimensions (WxDH)	220 x 341 x 43.4 mm (8.7 x 13.4 x 1.7 inch)	220 x 341 x 43.4 mm (8.7 x 13.4 x 1.7 inch)	220 x 353 x 43.4 mm (8.7 x 13.9 x 1.7 inch)	220 x 353 x 43.4 mm (8.7 x 13.9 x 1.7 inch)	220 x 472 x 87.9 mm (8.7 x 18.5 x 3.5 inch)	220 x 335 x 43.4 mm (8.7 x 13.2 x 1.7 in)	220 x 349 x 43.4 mm (8.7 x 13.7 x 1.7 inch)	220 x 349 x 43.4 mm (8.7 x 13.7 x 1.7 inch)	220 x 380 x 43.4 mm (8.7 x 15.0 x 1.7 inch)	220 x 365 x 43.4 mm (8.7 x 14.4 x 1.7 inch)
Weight	3.5 kg (7.8 lbs)	3.5 kg (7.8 lbs)	3.5 kg (7.8 lbs)	3.5 kg (7.8 lbs)	7 kg (15.4 lbs)	3.8 kg (8.4 lbs)	3.5 kg (7.8 lbs)	3.5 kg (7.8 lbs)	3.7 kg (8.2 lbs)	TBD
Power consumption (excl. startup peak)	Idle: 13W Typical: 60W Max: 100	Idle: 13W Typical: 60W Max: 100W	Idle 25 W Typ 60 W Max 100 W	Idle 25 W Typ 55 W Max 100 W	Idle 61 W Typ 87 W Max 115 W	Idle 25 W Typ 60 W Max 100 W	Idle 15 W Typ 65 W Max 100 W	Idle 15 W Typ 65 W Max 100 W	Idle: 21W Typical: 57W Max: 91W	TBD
	Interfaces									
Diskbay	-	MDB201	MDB201	MDB201	MDB201	MDB201	-	-	MDB201	MDB201
CAN	-	-	2x CAN2.0B	2x CAN2.0B	-	-	-	-	-	-
Video	1x VGA 1x DVI	1x VGA 1x DVI	2x CAN2.0B 2x DVI 2x SDI out**	2x DVI 2x SDI out	2x DVI	2x DVI	2x VGA	1x VGA 1x DVI	1x DVI	2x DVI
Ethernet	4x 1000Base-T	4x 1000Base-T	4x 1000Base-T	4x 1000Base-T	2x 10GBase-T 1 X 1000Base-T	1 X 1000Base-SX	4x 1000Base-T	4x 1000Base-T	2x 1000Base-T	2x 1000Base-SX
Serial	3x RS232* (Full)	3x RS232* (Full)	1x RS232* (Full) 2x RS232* (Rx/Tx)	1x RS232* (Full) 2x RS232* (Rx/Tx)	-	1x RS232* (Full) 2x RS232* (Rx/Tx)	2x RS232* (Full)	2x RS232* (Full)	1x RS232 (Rx/Tx)	2x RS232* (Full)
USB	2x USB 3.2 Gen 1 3x USB2.0	2x USB 3.2 Gen 1 3x USB2.0	2x USB 3.2 Gen 1 7x USB2.0	2x USB 3.2 Gen 1 7x USB2.0	3x USB 3.2 Gen 1	2x USB 3.2 Gen 1 7x USB2.0	6x USB2.0	6x USB2.0	1x USB 3.2 Gen 1 4x USB2.0	1x USB 3.2 Gen 1 4x USB2.0
Service	1x MilDef Service	1x MilDef Service	1x MilDef Service	1x MilDef Service	1x MilDef Service	1x MilDef Service	1x MilDef Service	1x MilDef Service	1x MilDef Service	1x MilDef Service
Wireless	-	-	-	-	-	-	-	-	-	-
GPS/GNSS	-	-	-	-	-	-	-	-	-	-
Other interfaces	Audio, Remote power on	Audio, Remote power on	Audio, Remote power on	Audio, Remote power on	-	Audio	Audio, Digital I/O	Audio, Digital I/O	Audio, Digital I/O	Remote power on
Fan	-	-	-	-	Yes	-	-	-	-	-
Power connector	38999/20ZB98PN	38999/20ZB98PN	38999/20ZB98PN	38999/20ZB98PN	38999/20ZC4PN	38999/20ZB98PN	ITT CA-B (ITS)	ITT CA-B (ITS)	38999/20FB35SN	38999/20ZB98PN
Power	12-32V DC	12-32V DC	12-32V DC	12-32V DC	12-32V DC	12-32V DC	12-32V DC	12-32V DC	12-32V DC	12-32V DC
	Environmental Specification									
IP rating	IP65	IP65	IP65	IP65	IP67	IP67	IP65	IP65	IP65	IP65
Military Standards	MIL-STD-461F MIL-STD-810G MIL-STD-1275D	MIL-STD-461F MIL-STD-810G MIL-STD-1275D	MIL-STD-461F MIL-STD-810G MIL-STD-1275D	MIL-STD-461F MIL-STD-810G MIL-STD-1275D	MIL-STD-461G MIL-STD-810H MIL-STD-1275E	MIL-STD-461F MIL-STD-810G MIL-STD-1275E	MIL-STD-461F MIL-STD-810G MIL-STD-1275D	MIL-STD-461F MIL-STD-810G MIL-STD-1275D	MIL-STD-461F MIL-STD-810G MIL-STD-1275D	MIL-STD-461F MIL-STD-810H MIL-STD-1275D
Temp operating	-40°C to +65°C (-40°F to 149 °F)	-40°C to +65°C (-40°F to 149 °F)	40°C to +55°C (-40°F to 131 °F)	40°C to +55°C (-40°F to 131 °F)	TBD	-40°C to +65°C (-40°F to 149 °F)	-40°C to +55°C (-40°F to 131 °F)	-40°C to +55°C (-40°F to 131 °F)	-40°C to +65°C (-40°F to 149°F)	TBD
Temp storage	-40°C to +71°C (-40°F to 160 °F)	-40°C to +71°C (-40°F to 160 °F)	-40°C to +71°C (-40°F to 160 °F)	-40°C to +71°C (-40°F to 160 °F)	TBD	-40°C to +71°C (-40°F to 160 °F)	-40°C to +71°C (-40°F to 160 °F)	-40°C to +71°C (-40°F to 160 °F)	-40°C to +71°C (-40°F to 160 °F)	-40°C to +71°C (-40°F to 160 °F)

* RS232/RS422/RS485 software configurable

** Same videostream out on both interfaces

Model Comparison CS2200 Series

Rugged industrial connectors



	CS2221	CS2222	CS2291
Product Picture			
Connector type	Industrial	Industrial	Industrial
Processor	Intel Xeon-E 2276ML 6 cores (12 threads)	Intel Xeon-E 2276ML 6 cores (12 threads)	Intel Xeon-E 2276ML 6 cores (12 threads)
RAM	Up to 64GB	Up to 64GB	Up to 64GB
Graphics	Intel HD Graphics 630	Intel HD Graphics 630	Intel HD Graphics 630
Storage	1x M.2 NVME (removable)	1x M.2 NVME (removable)	1x M.2 NVME (internal)
RAID	-	-	-
Switch	-	-	-
PTP (IEEE 1588)	-	-	-
Dimensions (WxDH)	220 x 341 x 43.4 mm (8.66 x 13.4 x 1.71 inch)	220 x 375 x 43.4 mm (8.66 x 14.76 x 1.71 inch)	220 x 350 x 43.4 mm (8.66 x 13.8 x 1.71 inch)
Weight	3.5 kg (7.8 lbs)	4 kg (8.9 lbs)	4.1 kg (9 lbs)
Power consumption (excl. startup peak)	Idle: 13W Typical: 60W Max: 100W	Idle: 25W Typical: 55W Max: 95W	Idle: 25W Typical: 77W Max: 130W
Diskbay	MDB201	MDB201	MDB201
CAN	-	-	-
Video	1x VGA 1x HDMI 1x DVI	3x HDMI	1x VGA 1x HDMI
Ethernet	4x 1000Base-T	2x 1000Base-T	12x 1000Base-T (2 with PoE)
Serial	2x RS232 (full)	-	1x RS232* (Rx/Tx)
USB	4x USB3.2 Gen 1	2x USB3.2 Gen 1 4x USB2.0	2x USB3.2 Gen 1 2x USB2.0
Service	1x MilDef Service	-	1x MilDef Service
Wireless	-	-	-
GPS/GNSS	-	-	-
Other interfaces	-	-	-
Fan	-	-	-
Power connector	38999/20ZB98PN	38999/20ZB98PN	ITT CA-B (ITS)
Power	12-32V DC	12-32V DC	12-32V DC
IP rating	IP65	IP65	IP65
Military Standards	MIL-STD-461F MIL-STD-810G MIL-STD-1275D	MIL-STD-461F MIL-STD-810H MIL-STD-1275D	MIL-STD-461F MIL-STD-810G MIL-STD-1275D
Temp operating	-40°C to +65°C (-40°F to 149°F)	-40°C to +60°C (-40°F to 140°F)	-40°C to +55°C (-40°F to 131°F)
Temp storage	-40°C to +71°C (-40°F to 160 °F)	-40°C to +71°C (-40°F to 160 °F)	-40°C to +71°C (-40°F to 160 °F)

* RS232/RS422/RS485 software configurable

** Same videostream out on both interfaces

Model Comparison CS2200 Series

with NVIDIA GPU



	CS2208	CS2269
Product Picture		
Connector type	MIL	MIL
Technical Specification		
Processor	Intel Xeon-E 2276ML 6 cores (12 threads)	Intel Xeon-E 2276ME 6 cores (12 threads)
RAM	Up to 64GB DDR4 ECC	Up to 64GB DDR4 ECC
Graphics	NVIDIA RTX™ A1000	NVIDIA RTX™ A1000
Storage	1x M.2 NVME (removable)	1x M.2 NVME (removable)
RAID	-	-
Switch	-	-
PTP (IEEE 1588)	-	-
Dimensions (WxDH)	220 x 385 x 88 mm (8.7 x 15.2 x 3.5 inch)	220 x 395 x 88 mm (8.7 x 15.6 x 3.5 inch)
Weight	6.3 kg (14 lbs)	6 kg (13.2 lbs)
Power consumption (excl. startup peak)	TBD	Idle:35 W Typical: 85 W Max: 136W
Interfaces		
Diskbay	MDB201	MDB201
CAN	-	-
Video	2x DVI	2x DVI
Ethernet	4x 1000Base-T	1x 1000Base-SX
Serial	1x RS232* (Full) 2x RS232* (Rx/Tx)	1x RS232* (Full) 2x RS232* (Rx/Tx)
USB	2x USB3.2 gen 1 7x USB2.0	2x USB3.2 gen 1 7x USB2.0
Service	1x MilDef Service	1x MilDef Service
Wireless	-	-
GPS/GNSS	-	-
Other interfaces	Audio, Remote power on	Audio
Fan	Yes	Yes
Power connector	38999/20ZB98PN	38999/20ZB98PN
Power	16-32V DC	16-32V DC
Environmental Specification		
IP rating	IP65	IP65
Military Standards	MIL-STD-461F MIL-STD-810G MIL-STD-1275D	MIL-STD-461F MIL-STD-810G MIL-STD-1275D
Temp operating	TBD	TBD
Temp storage	-40°C to +71°C (-40°F to 160 °F)	-40°C to +71°C (-40°F to 160 °F)

* RS232/RS422/RS485 software configurable

** Same videostream out on both interfaces