

Product overview

	c430 controller	c520 controller	c550 controller
			
Design/mounting	Control cabinet	Control cabinet	Control cabinet
Mounting	DIN rail	DIN rail	DIN rail
Degree of protection	IP20	IP20	IP20
Market approvals			
CE	✓	✓	✓
UKCA	✓	✓	✓
UL	✓	✓	✓
RoHS	✓	✓	✓
Ambient conditions			
Pollution degree	2	2	2
Operation (EN 60721-3-3)	3K3 (0 ... +60 °C)	3K3 (0 ... +60 °C)	3K3 (0 ... +60 °C)
Storage (EN 60721-3-1)	1K3 (-25 ... +70 °C)	1K3 (-25 ... +60 °C)	1K3 (-25 ... +60 °C)
Transport (EN 60721-3-2)	2K3 (-25 ... +70 °C)	2K3 (-25 ... +60 °C)	2K3 (-25 ... +60 °C)
Communication			
EtherCAT master	✓	✓	✓
EtherCAT slave	✓	O	O
PROFINET IO-Device	✓	O	O
Ethernet switch	✓	-	-
Processor/memory			
Processor	Arm® Cortex®-A9 800 MHz	Intel Atom® 1.6 GHz	Intel® Core™ i7 2.8 GHz
Operating system	RT Linux	RT Linux	RT Linux
Flash memory	4 GB	4 GB	8 GB
RAM memory	2 GB	2 GB	4 GB
Retain data	512 kB	1024 kB	1024 kB
Interfaces			
Voltage supply	24 V DC	24 V DC	24 V DC
USB 2.0	1	2	2
Ethernet 100 Mbps/s	2	-	-
Ethernet 1000 Mbps/s	-	1	1

✓ = standard

O = option

Product overview

	v430 web panel	v430 web panel	v430 web panel	v450 web panel	v450 web panel	v450 web panel
						
Design/mounting	Mounting in housing			Support arm or wall		
Screen diagonal	7"	10.1"	15.6"	7"	10.1"	15.6"
Degree of protection	IP66 (front side), IP20 (back side)			IP67		
Market approvals						
CE	✓	✓	✓	✓	✓	✓
UKCA	✓	✓	✓	✓	✓	✓
UL	✓	✓	✓	✓	✓	✓
RoHS	✓	✓	✓	✓	✓	✓
Ambient conditions						
Pollution degree	2	2	2	2	2	2
Operation	-20 ... +60 °C	-20 ... +60 °C	-20 ... +60 °C	-20 ... +55 °C	-20 ... +55 °C	-20 ... +55 °C
Storage	-30 ... +80 °C	-30 ... +80 °C	-30 ... +80 °C	-30 ... +80 °C	-30 ... +80 °C	-20 ... +70 °C
Screen						
Diagonal	7" (17.8 cm)	10.1" (25.7 cm)	15.6" (39.6 cm)	7" (17.8 cm)	10.1" (25.7 cm)	15.6" (39.6 cm)
Resolution (pixel)	1024 x 600	1280 x 800	1920 x 1080	1024 x 600	1280 x 800	1366 x 768
Brightness	500 cd/m²	500 cd/m²	400 cd/m²	400 cd/m²	400 cd/m²	400 cd/m²
Number of colors	16 million	16 million	16 million	16 million	16 million	16 million
Touchscreen technology	Capacitive glass surface, multi-touch					
Processor/memory						
Processor	i.MX8M Mini Quad ARM Cortex-A53 (1.60 GHz)					
Operating system	Linux	Linux	Linux	Linux	Linux	Linux
Flash memory	4 GB	4 GB	4 GB	4 GB	4 GB	4 GB
RAM memory	2 GB	2 GB	2 GB	2 GB	2 GB	2 GB
Interfaces						
Voltage supply	24 V DC	24 V DC	24 V DC	IEEE 802.3af PoE	IEEE 802.3af PoE	IEEE 802.3at PoE+
USB 2.0	1	1	1	1 (via adapter cable)	1 (via adapter cable)	1 (via adapter cable)
Ethernet 100 Mbps/s	1	1	1	1	1	1
Ethernet 1000 Mbps/s	-	-	-	-	-	-



Product overview

	c250-S safety controller
	
Mounting	DIN rail
Degree of protection	IP20
Market approvals	
CE	✓
UKCA	✓
UL	✓
RoHS	✓
Ambient conditions	
Pollution degree	2
Operation (EN 60721-3-3)	3K3 (0 ... +55 °C)
Storage (EN 60721-3-1)	1K3 (-25 ... +70 °C)
Transport (EN 60721-3-2)	2K3 (-25 ... +70 °C)
Communication	
EtherCAT	✓ (Slave)
Interfaces	
Voltage supply	24 V DC
USB 2.0	-
Ethernet 100 Mbps/s	-
Ethernet 1000 Mbps/s	-

Product overview

EtherCAT CAN Gateway x750	
	
Mounting	DIN rail
Degree of protection	IP20
Market approvals	
CE	✓
UKCA	✓
UL	-
RoHS	✓
Communication	
CANopen	✓
EtherCAT	✓ (Slave)
Interfaces	
Voltage supply	24 V DC
USB 2.0	-
USB 3.0	-
Ethernet 100 Mbps/s	-
Ethernet 1000 Mbps/s	-