

Specifications

TeamWork Connect 300 Kit

NOTE: This product consists of a switching transmitter (HCT 103) and a scaling receiver (HCR 102), sold together as a system.
For complete specifications for the HCT 103 or HCR 102 see the HC 404 Specifications.

Transmitter/Receiver – Video input

Number/signal type	
Analog.....	HCT 103: 1 VGA RGBHV
Digital	
HCT 103.....	2 HDMI inputs (or single link DVI-D with the appropriate DVI-HDMI adapters)
HCR 102	1 HDMI (or single link DVI-D with the appropriate DVI-HDMI adapter)
Connectors	
HCT 103	1 female 15-pin HD 2 female HDMI type A
HCR 102	1 female HDMI type A
Resolution range.....	640x480 to 1600x1200 and 1920x1200*, 480p, 576p, 720p, 1080i, 1080p, and 2K *reduced blanking
Standards	DVI 1.0, HDMI 1.4, HDCP 1.4

Transmitter/Receiver – Interconnection

Connectors.....	1 female RJ-45 on each unit (transmitter and receiver)
Transmission distance.....	Up to 230' (70 m) using shielded twisted pair (STP) cable or XTP DTP 24 STP cable with a 1080p, 60 Hz signal

NOTE: The TeamWork Connect 300 kit includes a 35' (10.6 m) CATx cable.

Transmitter/Receiver – Video output

Number/signal type.....	1 HDMI (with CEC)
Connectors.....	1 female HDMI
Scaled resolution	640x480 ^{6,8,9} , 800x600 ^{6,8,9} , 852x480 ^{6,8,9} , 1024x768 ^{6,8,9} , 1024x852 ^{6,8,9} , 1024x1024 ^{6,8,9} , 1280x768 ^{6,8,9} , 1280x800 ^{6,8,9} , 1280x1024 ^{6,8,9} , 1360x765 ^{6,8,9} , 1360x768 ^{6,8,9} , 1365x768 ^{6,8,9} , 1365x1024 ^{6,8,9} , 1366x768 ^{6,8,9} , 1400x1050 ^{6,8} , 1440x900 ^{6,8,9} , 1600x900 ^{6,8} , 1600x1200 ^{6,8} , 1680x1050 ^{6,8} , 1920x1200 ^{6,8} HDTV 480p ^{7,8} , 576p ⁶ , 720p ^{3,4,5,6,7,8} , 1080j ^{6,7,8} , 1080p ^{1,2,3,4,5,6,7,8} , 2048x1080 ^{1,2,3,4,5,6,7,8} ¹ = at 23.98 Hz, ² = at 24 Hz, ³ = at 25 Hz, ⁴ = at 29.97 Hz, ⁵ = at 30 Hz, ⁶ = at 50 Hz, ⁷ = at 59.94 Hz, ⁸ = at 60 Hz, ⁹ = at 75 Hz

Transmitter/Receiver – Communications

Tally port	(1) 3.5 mm, 4 pole captive screw connector
Tally port pin configuration.....	Pin 1 = input 2 tally, pin 2 = input 3 tally, pin 3 = input 4 tally, pin 4 = +5 VDC
Contact closure remote control.....	(1) 3.5 mm, 4 pole captive screw connector
Contact closure pin configuration...	Pin 1 = input 2, pin 2 = input 3, pin 3 = input 4, pin 4 = Gnd
USB control port.....	1 front panel female USB mini-B
USB standards	USB 2.0, high speed
Program control.....	Extron Product Configuration Software (PCS) for Windows®

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Transmitter/Receiver – Control processor

Memory	
SDRAM	512 MB
Flash	512 MB
Software and control options	
Software.....	Extron Global Configurator® Plus and Professional for Windows®
Ethernet control	
Network interface controllers (NICs)	1
Connectors	1 female RJ-45 connector
Data rate	10/100Base-T, half/full duplex with autodetect
Protocols.....	DHCP, DNS, HTTP, HTTPS, ICMP, NTP, SFTP, SMTP, SNMP, SSH, TCP/IP, UDP/IP
Default settings.....	Link speed and duplex level = autodetected IP address = 192.168.254.250 Subnet mask = 255.255.255.0 Gateway = 0.0.0.0 DHCP = off DNS: 127.0.0.1
Serial control	
Quantity/type	1 bidirectional RS-232
Connectors.....	(1) 3.5 mm captive screw connector, 3-pole

Transmitter/Receiver – General

Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 3 A, 36 watts
Power consumption	

NOTE: For the complete specifications for each component of the kit, see www.extron.com. Specifications are subject to change without notice.

System	
Device	22.0 watts
Device and power supply...	24.7 watts
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +104 °F (0 to +40 °C) / 10% to 90%, noncondensing
Cooling	Convection, vents on top and sides
Thermal dissipation	
System	
Device	70.7 BTU/hour
Device and power supply...	79.7 BTU/hour
Mounting	
Rack mount.....	Yes, with optional 1U high rack shelf or back of the rack mounting kit
Furniture mount	Yes, with included, attached MBU 125 under-desk mounting brackets
Enclosure type	Metal
Enclosure dimensions	1.0" H x 8.75" W x 6.0" D (half rack wide) (25 mm H x 225 mm W x 152 mm D) (Depth excludes connectors.)
Product weight	
HCT 103	1.1 lb (0.5 kg)
HCR 102	1.2 lbs (0.6 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)

Specification • TeamWork Connect 300 Kit (Continued)

HDMI SM Show Me Cable

Standards	High speed HDMI® cable
Data rates	Supports 10.2 Gbps
Color depth.....	Supports 48 bit (16 bits per color)
Vertical frequency.....	Supports up to 120 Hz
Connector type.....	1 male type A HDMI to 1 male type A HDMI
Contacts.....	Gold Plated
Material	Conductors: tinned copper, 30 AWG Drain wire: tinned copper, 32 AWG Shielding: fluorocopolymer tape binder, tinned copper braid
Connector dimensions	1.40" L* x 0.77" W x 0.44" thick (36 mm L* x 20 mm W x 11 mm thick) *Length excludes the plug
Overall length	6' (1.8 m) measured neck-to-neck
Weight	0.26 lbs (0.12 kg)

VGA SMC Show Me Cable

Connector type.....	1 male 15-pin HD to 1 male 15-pin HD
Material	Conductors: tinned copper, 30 AWG Drain wire: tinned copper, 30 AWG
Connector dimensions	1.60" L* x 1.23" W x 0.67" thick (41 mm L* x 31 mm W x 17 mm thick) *Length excludes the plug
Overall length	6' (1.8 m) measured neck-to-neck
Weight	0.38 lbs (0.17 kg)

HDMI Display Cable

Standards	High speed HDMI® cable
Data rates	Supports 10.2 Gbps
Color depth.....	Supports 48 bit (16 bits per color)
Vertical frequency.....	Supports up to 120 Hz
Connector type.....	1 male type A HDMI to 1 male type A HDMI
Contacts.....	Gold Plated
Material	Conductors: tinned copper, 30 AWG Drain wire: tinned copper, 32 AWG Shielding: fluorocopolymer tape binder, tinned copper braid
Connector dimensions	1.40" L* x 0.77" W x 0.44" thick (36 mm L* x 20 mm W x 11 mm thick) *Length excludes the plug
Overall length	6' (1.8 m) measured neck-to-neck
Weight	0.20 lbs (0.09 kg)

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System — Compliance and Warranty

Regulatory compliance

Safety	CE, c-UL, UL
EMI/EMC.....	CE**, C-tick, FCC Class A**, ICES, VCCI
Environmental.....	Complies with the appropriate requirements of RoHS, WEEE
Accessibility.....	Complies with the appropriate requirements of section 508 of the Rehabilitation Act (29 U.S.C. 794d).

NOTE: **CE and FCC testing is conducted with STP (shielded twisted pair) I/O cable.

Warranty 3 years parts and labor

NOTE: Specifications are subject to change without notice.

NOTE: Shipping weights and dimensions are available at www.extron.com.

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