
ITS-16200 User Manual

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Contents

Repair..... 3

Repair



Notice Ensure that ITS-16200 repair procedures are performed only by qualified personnel.



Notice The AC power cords used in the ITS-16200 are specially designed for the ITS-16200. Do not use these power cords in other electrical appliances. Refer to the following table for system-specific power cords and associated part numbers.



Note NI provides Advanced Replacement Service for replacement parts in the following table unless otherwise noted.

Table 12. Replacement Parts

Type	NI Part Number	Function and Model
Chassis	783882-01	PXIe-1095
	784532-01	SLSC-12001
PXI Instruments	781056-01	CCA, NI PXIe-6363
	783800-01	CCA, PXIe-6738, 32 CH AO
	784122-01	CCA, PXIe-8510, HD XNET 6 Port
	785571-01	CCA, PXIe-7868R, 512 MB DRAM, Kintex-7 325T, 16-bit, 1 MS/s
Controller	787805-33	Module Assembly, PXIe-8881, Linux RT, W-2245, No TPM, Base SSD, 2 SO-DIMM
Power Supplies	781095-01	Power Supply, 24 V, 480 W, PS-17
	785341-01	NI RMX-10050 1-Phase Power Distribution Unit with DC (1U, 100 V to 240V, 16 A,

Type	NI Part Number	Function and Model
		12/24/24/48 VDC)
	786012-01	RMX-4102 2U DC Power Supply, 1/6 Rack Width, 0 VDC to 36 VDC, 0 A to 12 A
	786013-01	RMX-4102 2U DC Power Supply, 1/6 Rack Width, 0 VDC to 60 VDC, 0 A to 7 A
SLSC Instruments	788249-01	OP-8911-F High Speed Digital IO Conditioning Board
	787855-01	OP-8913-F High Speed Digital IO Conditioning Board
	785356-01	CCA, SLSC-12201
	785379-01	CCA, RTI-12307
	787856-01 ^[1]	OPAL 8934-F, 16 A OUT Differential From Single-Ended Input with FIU SLSC Conditioning Board
	787857-01 ^[1]	OPAL 8935-F, 8 A IN/OUT with FIU SLSC Conditioning Board
	787858-01	OP-8940-F Channel Passthrough Board with FIU
	787766-01	CCA, RTI-12309 with 8 ix Industrial Connector
	788251-01 ^[1]	SET-1210 16 CH Resistor Simulator
Power Cords	785708-01	AC, IEC C19 to NEMA 5-20P, 100 V to 125 V, 2.5 m, US/CA
	785714-04	AC, IEC C19 to CEE7, 3P, 16 A, 2.5 m, EU
	785714-06	AC, IEC C19 to BS1363 2.5 m, UK
	785714-10	AC, IEC C19 to GB3, 3P, 16 A, 2.5 m, China
	786344-01	AC, IEC C19, Australia,

Type	NI Part Number	Function and Model
		(15 A/250 V), 2.5 m
	786345-01	AC, IEC C19, Japan, (15 A, 125 V), 2.5 m
	786346-01	AC, IEC C19, India, (15 A, 240 V), 2.5 m
	786348-01	AC, IEC C19, Brazil, (16 A, 250 V), 2.5 m
	786349-01	AC, IEC C19, Malaysia, Hong Kong, Singapore, Saudi Arabia (16 A, 250 V), 2.5 m
	786352-01	AC, IEC C19 to NEMA L6-20P, 2.5 m, US/CA
	787198-01	AC, IEC C19, Taiwan, (15 A, 250 V), 2.5 m
	133084-1R5	14 AWG, 250 V, Zlock C14 to Zlock C15, 1.5 m
	133086-02	12 AWG, 250 V, Zlock C20 to Zlock C19, 2.0 m
	133087-0R6	14 AWG, 250 V, Zlock C14 to Zlock C13, 0.6 m
	133114-1R5	17 AWG, Zlock C14 to Open, Ferrule tips
System Cables	132704-0R9 ^[1]	ECUTS, 24 V PS-16 To SLSC
	132705-01	ECUTS, 48 V, PDU to Switch
	132844-0R5 ^[1]	Twisted Paris, 16 AWG, 0.5 m
	134574-02	SLSC JR1, 16 AWG Twisted Pair, Red/Black, Ring Terminal, 0.25 inch Stud, 2 m
	134726-1R6	SHDB44M-4IXBF DIFF, 1.6 m
	134727-01	SH68M-4IXBF DIO DIFF, 1 m
	134728-01	SH68M-4IXBF AO SE, 1 m

Type	NI Part Number	Function and Model
	134743-1R6	SHDB44M-8IXBF HPSE, 1.6 m
	135140-01 ^[1]	SH68M-5IXBF MIO, 1 m
	135851-0R5	SHDB9M-IXBF, 0.5 m
	146503-01 ^[1]	EPO to Thermostat, BYO ATE
	147315-01 ^[1]	GND, 10-32 Ring to M3 Ring Terminal, 10 AWG, 1 m
	148312-01	SHC68-3MDR26-RMIO, 1 m
	151733-02 ^[1]	CAT-5E Ethernet, Thin Profile, 2 m
	193128-01	CAN, No Termination, 9 Pin Female DSUB to 9 Pin Female DSUB, 1 m
	783701-02	CCA, XS Selectable HS/ISO-FD/LS CAN External Interface
	785631-01 ^[1]	GND, 10-32 Ring Terminals, 10 AWG, 1 m
	785631-02 ^[1]	GND, 10-32 Ring Terminals, 10 AWG, 2 m
	861173-01	Display Port to VGA, 7 inch
	861182-01 ^[1]	Thermocouple, 24 AWG, Type J, Epoxy Coated Tip, 180 inch
	861195-01 ^[1]	Thermostat to Thermostat, BYO ATE
	134566-01 ^[1]	PDU Extension Dongle, ECUTS
	788250-01 ^[1]	OP8810-1 SLSC Cable VHDCI 68 to 2MDR RAO
	788254-01	DB9 Splitter
ITA Component	787999-01	CCA,VPC iCon Receiver Board, 26 ix Industrial Connector, Micro-Power Cutout, EV Signal Level Inverter Tester

Type	NI Part Number	Function and Model
	788253-01 ^[2]	Micro Power, Receiver (22 A), 14 AWG, Twisted Pair, Red/Black (30 A) Ring Terminal, 0.25 inch Stud
VPC MI Panel	787998-01 ^[1]	Gas Spring Miniature W/Fittings, 2.56 inch Stroke Lg., 5 lbs. Force
		Panel, Base, Hinged, Mass Interconnect, 19 inch Rack Mount, EV Test
		0.16 inch ID Eyelet Mounting Bracket for Gas Spring
		Panel, Upper, Hinged, Mass Interconnect, 19 inch Rack Mount, EV Test
		Inseparable Assembly, Strain Relief, Mass Interconnect, 19 inch Rack Mount, EV Test
Miscellaneous	132788-01	MOXA 16 Port Industrial Unmanaged Ethernet Switch EDS-316-T
	787002-01 ^[1]	Thermostat, Manual Reset, open 80C, B-203S Mounting Hardware, T-147 Terminals
	788252-01 ^[2]	CONN, Compact Splice, 2 Conductor, 6 mm, 10 AWG, Lever Actuation Type, Transparent
	134075-01 ^[2]	Bracket, Side, Mount for TRC and MIO, ECUTS-16001
	134234-01 ^[2]	Bracket, Rack Mount, Front, PXIe Chassis, ECUTS-16001
	784839-01 ^[2]	Spare Caster Set
	785520-01 ^[2]	Spare Air Filter Panel
	785521-01 ^[2]	Spare Mounting Rails 24U,

Type	NI Part Number	Function and Model
		Quantity 2
	785523-01 ^[2]	Spare Cable Manager, 24U
	785791-01 ^[2]	Replacement Air Filters, Quantity 5
	787261-01 ^[2]	Plate, Rack Mount, Rear, 1U PDU, ATE
	787431-01 ^[2]	Spare Rear Door Panel 24 U, Gray
	787440-01 ^[1]	Remote Emergency Power Off Switch, RMX-10060 ESD Gray
	787441-01	Kit, Fan, Top, Low Power (540 CFM), 6 x 120 mm Fan, Rack, 19 inch, RMX-10011, ESD Gray
	787442-01 ^[2]	Panel, Filler, 1U x 19 inch, ESD Gray
	787443-01 ^[2]	Panel, 3U Filler, RMX-10011, 19 inch Rack, ESD Gray
	787449-01 ^[2]	Spare Side Panel 24 U, Gray
	787470-01 ^[2]	Panel, Cable Entry, Brush, 1U, Rack, 19 inch, RMX-10029, ESD Gray
	787471-01 ^[2]	Assembly, RMX 10040 Power Entry Panel (1-Phase, 16 A), ESD Gray
	132876-01 ^[2]	Mounting Bracket, Ethernet Switch, ECUTS 24U