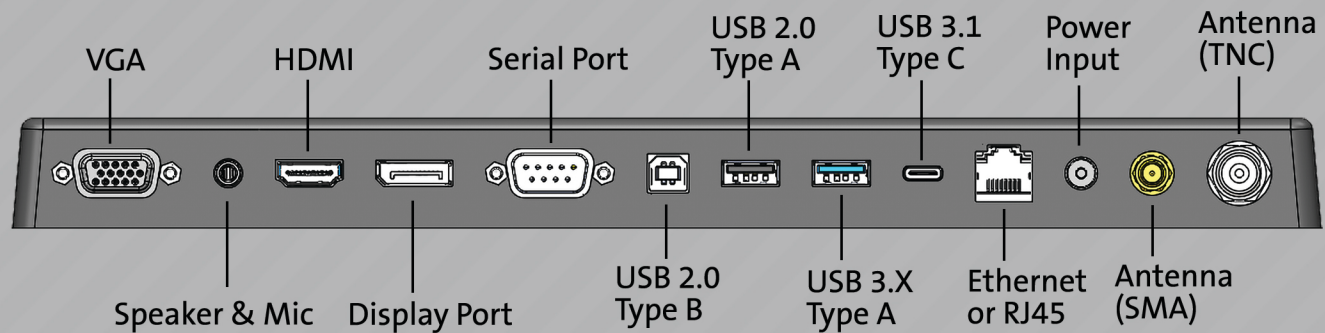


GETAC SPEEDS & FEEDS



THE INS AND OUTS OF DOCKING STATIONS



VGA	Video Graphics Array (VGA) port: analog signal for video
Speaker & Mic	Audio ports: analog signal for audio: green=audio out; pink= microphone in
HDMI	High Definition Multimedia Interface: digital signal for audio & video
Display Port	Digital signal for audio & video
Serial Port	RS232 port, analog signal to connect peripherals
USB 2.0 Type B	Digital signal, transmission rate of 480 Mbps; B type square connector
USB 2.0 Type A	Digital signal, transmission rate of 480 Mbps; A type rectangle connector
USB 3.X Type A	Digital signal, transmission rate of 5 Gbps; A type rectangle connector
USB 3.1 Type C	Digital signal, transmission rate of 10 Gbps; C type micro rectangle connector
Ethernet	RJ45 port: analog & digital signals, transmission rate of 100Mbps to 10 Gbps
Power Input	Barrel connector: transfer 10-12v electrical current
Antenna (SMA)	Coaxial RF 1/4" female connector with external threads: mobile & WiFi
Antenna (TNC)	Coaxial RF 7/16" female connector with external threads: mobile & WiFi

Havis Docking Station Fully Rugged F110 DS-GTC-220 Series



Rugged Tablet Solution

- Low profile, lightweight and compact design
- Port replication with integrated cable management
- Triple Pass-Thru Antenna Connections (Optional)
- External Power Supply (Optional)
- Bundles available for convenient solutions

PART NUMBER	ETHERNET	USB 2.0	USB 3.0	HDMI	VGA	SERIAL	POWERED SERIAL	DISPLAY PORT	SPEAKER/MIC	POWER INPUT	PASS-THRU ANT	ANT TYPE	EXT POWER	INT POWER
DS-GTC-221	1	3 Rear	1 Rear	1	1	2			1 Each	19 V*				
DS-GTC-221-3	1	3 Rear	1 Rear	1	1	2			1 Each	19 V*	Triple	SMA		
DS-GTC-222	1	3 Rear	1 Rear	1	1	2			1 Each	19 V			LPS-140	
DS-GTC-222-3	1	3 Rear	1 Rear	1	1	2			1 Each	19 V	Triple	SMA	LPS-140	
DS-GTC-223														
DS-GTC-223-3											Triple	SMA		
DS-GTC-226													LPS-140	
DS-GTC-226-3											Triple	SMA	LPS-140	

* Requires an external Getac authorized DC power supply

SPECIFICATIONS

Height: 10.3-in (26.2 cm)
Width: 13-in (33.0 cm)
Depth: 3.2-in (8.1 cm)
Weight: 2.75 lbs (1.25 kg)
Mounting: VESA 75

CERTIFICATIONS & TESTING

CE Certified; RoHS Compliant
Vibration Testing: MIL-STD 810H 514.5
Impact Test: Crash Simulation per SAE J1455
Cycle Test: Latch Tested 30,000 cycles
Environmental Testing: Hot/Cold Operation & Storage, Thermal Shock

Havis Docking Station Fully Rugged V110 DS-GTC-310 Series



Rugged Laptop Solution

- Low profile, lightweight and flexible design
- Port replication with integrated strain relieving
- Triple Pass-Thru Antenna Connections (Optional)
- External Power Supply (Optional)
- Bundles available for convenient solutions

PART NUMBER	ETHERNET	USB 2.0	USB 3.0	HDMI	VGA	SERIAL	POWERED SERIAL	DISPLAY PORT	SPEAKER/MIC	POWER INPUT	PASS-THRU ANT	ANT TYPE	EXT POWER	INT POWER
DS-GTC-311	1	3 Rear	1 Rear	1	1	2			1 Each	19 V*				
DS-GTC-311-3	1	3 Rear	1 Rear	1	1	2			1 Each	19 V*	Triple	SMA		
DS-GTC-312	1	3 Rear	1 Rear	1	1	2			1 Each	19 V			LPS-116	
DS-GTC-312-3	1	3 Rear	1 Rear	1	1	2			1 Each	19 V	Triple	SMA	LPS-116	
DS-GTC-313														
DS-GTC-313-3											Triple	SMA		
DS-GTC-315													LPS-116	
DS-GTC-315-3											Triple	SMA	LPS-116	

* Requires an external Getac authorized DC power supply

SPECIFICATIONS

Height: 2.8-in (7.1 cm)
Width: 11.8-in (29.9 cm)
Depth: 11.0-in (27.9 cm)
Weight: 5.1 lbs (2.3 kg)
Mounting: Bracket fits most motion devices

CERTIFICATIONS & TESTING

CE Certified; RoHS Compliant
Vibration Testing: MIL-STD 810G 514.5
Impact Test: Crash Simulation per SAE J1455
Cycle Test: Latch Tested 30,000 cycles
Environmental Testing: Hot/Cold Operation & Storage

Havis Docking Station

Fully Rugged T800

DS-GTC-410 Series



Rugged Tablet Solution

- Low profile, lightweight and flexible design
- Port replication with integrated strain relieving
- Triple Pass-Thru Antenna Connections (Optional)
- External Power Supply (Optional)
- Bundles available for convenient solutions

PART NUMBER	ETHERNET	USB 2.0	USB 3.0	HDMI	VGA	SERIAL	POWERED SERIAL	DISPLAY PORT	SPEAKER/MIC	POWER INPUT	PASS-THRU ANT	ANT TYPE	EXT POWER	INT POWER
DS-GTC-411	1		2 Rear			1				19 V*				
DS-GTC-411-3	1		2 Rear			1				19 V*	Triple	SMA		
DS-GTC-412	1		2 Rear			1				19 V			LPS-116	
DS-GTC-412-3	1		2 Rear			1				19 V	Triple	SMA	LPS-116	
DS-GTC-413														
DS-GTC-413-3											Triple	SMA		

* Requires an external Getac authorized DC power supply

SPECIFICATIONS

Height: 8.1-in (20.7 cm)
 Width: 7.0-in (17.8 cm)
 Depth: 3.5-in (8.9 cm)
 Weight: 1.6 lbs (0.7 kg)
 Mounting: VESA 75

CERTIFICATIONS & TESTING

CE Certified; RoHS Compliant
 Vibration Testing: MIL-STD 810G 514.5
 Impact Test: Crash Simulation per SAE J1455
 Cycle Test: Latch Tested 30,000 cycles
 Environmental Testing: Hot/Cold Operation & Storage

Havis Docking Station

Fully Rugged S410

DS-GTC-610 Series



Rugged Laptop Solution

- Low profile, lightweight and flexible design
- Port replication with integrated strain relieving
- Triple Pass-Thru Antenna Connections (Optional)
- External Power Supply (Optional)
- Bundles available for convenient solutions

PART NUMBER	ETHERNET	USB 2.0	USB 3.0	HDMI	VGA	SERIAL	POWERED SERIAL	DISPLAY PORT	SPEAKER/MIC	POWER INPUT	PASS-THRU ANT	ANT TYPE	EXT POWER	INT POWER
DS-GTC-611	1	3 Rear	1 Rear	1	1	1			1 Each	19 V*				
DS-GTC-611-3	1	3 Rear	1 Rear	1	1	1			1 Each	19 V*	Triple	SMA		
DS-GTC-613														
DS-GTC-613-3											Triple	SMA		
DS-GTC-617	1	3 Rear	1 Rear	1	1	1			1 Each	19 V			LPS-140	
DS-GTC-617-3	1	3 Rear	1 Rear	1	1	1			1 Each	19 V	Triple	SMA	LPS-140	
DS-GTC-618													LPS-140	
DS-GTC-618-3											Triple	SMA	LPS-140	

* Requires an external Getac authorized DC power supply

SPECIFICATIONS

Height: 2.4-in (6.2 cm)
 Width: 14.1-in (35.7 cm)
 Depth: 11.8-in (30.0 cm)
 Weight: 5.1 lbs (2.3 kg)
 Mounting: Bracket fits most motion devices

CERTIFICATIONS & TESTING

CE Certified; RoHS Compliant
 Vibration Testing: MIL-STD 810G 514.5
 Impact Test: Crash Simulation per SAE J1455
 Cycle Test: Latch Tested 30,000 cycles
 Environmental Testing: Hot/Cold Operation & Storage

Havis Docking Station

Fully Rugged Z710 & ZX70

DS-GTC-710 Series



Rugged Tablet Solution

- Low profile, lightweight and flexible design
- Port replication with integrated strain relieving
- Dual Pass-Thru Antenna Connections (Optional)
- External Power Supply (Optional)
- Bundles available for convenient solutions

PART NUMBER	ETHERNET	USB 2.0	USB 3.0	HDMI	VGA	SERIAL	POWERED SERIAL	DISPLAY PORT	SPEAKER/MIC	POWER INPUT	PASS-THRU ANT	ANT TYPE	EXT POWER	INT POWER
DS-GTC-711**	1	2 Rear		1		1			Speaker	12 V*				
DS-GTC-711-2**	1	2 Rear		1		1			Speaker	12 V*	Dual	SMA		
DS-GTC-712**	1	2 Rear		1		1			Speaker	12 V			LPS-164	
DS-GTC-712-2**	1	2 Rear		1		1			Speaker	12 V	Dual	SMA	LPS-164	
DS-GTC-714***	1	2 Rear				1			Speaker	12 V*				
DS-GTC-714-2***	1	2 Rear				1			Speaker	12 V*	Dual	SMA		
DS-GTC-715***									Speaker	12 V*				
DS-GTC-715-2***									Speaker	12 V*	Dual	SMA		
DS-GTC-716													LPS-164	
DS-GTC-716-2											Dual	SMA	LPS-164	
DS-GTC-717***	1	2 Rear				1			Speaker	12 V			LPS-164	
DS-GTC-717-2***	1	2 Rear				1			Speaker	12 V	Dual	SMA	LPS-164	
DS-GTC-718***									Speaker	12 V			LPS-164	
DS-GTC-718-2***									Speaker	12 V	Dual	SMA	LPS-164	

* Requires an external Getac authorized DC power supply

** JAE Docking Connector

*** POGO Docking Connector

SPECIFICATIONS

Height: 8.7-in (22.1 cm)
 Width: 9.2-in (23.4 cm)
 Depth: 2.9-in (7.4 cm)
 Weight: 1.5 lbs (0.7 kg)
 Mounting: VESA 75

CERTIFICATIONS & TESTING

CE Certified; RoHS Compliant
 Vibration Testing: MIL-STD 810G 514.5
 Impact Test: Crash Simulation per SAE J1455
 Cycle Test: Latch Tested 30,000 cycles
 Environmental Testing: Hot/Cold Operation & Storage

Havis Docking Station

Fully Rugged A140

DS-GTC-800 Series



Rugged Tablet Solution

- Low profile, lightweight and flexible design
- Port replication with integrated strain relieving
- Triple Pass-Thru Antenna Connections (Optional)
- External Power Supply (Optional)
- Bundles available for convenient solutions

PART NUMBER	ETHERNET	USB 2.0	USB 3.0	HDMI	VGA	SERIAL	POWERED SERIAL	DISPLAY PORT	SPEAKER/MIC	POWER INPUT	PASS-THRU ANT	ANT TYPE	EXT POWER	INT POWER
DS-GTC-801	1	3 Rear	1 Rear	1	1	1			1 Each	19 V*				
DS-GTC-801-3	1	3 Rear	1 Rear	1	1	1			1 Each	19 V*	Triple	SMA		
DS-GTC-802	1	3 Rear	1 Rear	1	1	1			1 Each	19 V			LPS-140	
DS-GTC-802-3	1	3 Rear	1 Rear	1	1	1			1 Each	19 V	Triple	SMA	LPS-140	
DS-GTC-803														
DS-GTC-803-3											Triple	SMA		
DS-GTC-806													LPS-140	
DS-GTC-806-3											Triple	SMA	LPS-140	

* Requires an external Getac authorized DC power supply

SPECIFICATIONS

Height: 11.5-in (29.2 cm)
 Width: 12.2-in (31.0 cm)
 Depth: 3.2-in (8.1 cm)
 Weight: 5.6 lbs (2.5 kg)
 Mounting: Bracket fits most motion devices

CERTIFICATIONS & TESTING

CE Certified; RoHS Compliant
 Vibration Testing: MIL-STD 810G 514.5
 Impact Test: Crash Simulation per SAE J1455
 Cycle Test: Latch Tested 30,000 cycles
 Environmental Testing: Hot/Cold Operation & Storage

Havis Docking Station

Fully Rugged K120

DS-GTC-900 Series



Rugged Tablet Solution

- Low profile, lightweight and flexible design
- Port replication with integrated strain relieving
- Triple Pass-Thru Antenna Connections (Optional)
- External Power Supply (Optional)
- Bundles available for convenient solutions

PART NUMBER	ETHERNET	USB 2.0	USB 3.0	HDMI	VGA	SERIAL	POWERED SERIAL	DISPLAY PORT	SPEAKER/MIC	POWER INPUT	PASS-THRU ANT	ANT TYPE	EXT POWER	INT POWER
DS-GTC-901	2	1 Rear 2 Front	3 Rear	1	1	1				19 V*				
DS-GTC-901-3	2	1 Rear 2 Front	3 Rear	1	1	1				19 V*	Triple	SMA		
DS-GTC-902	2	1 Rear 2 Front	3 Rear	1	1	1				19 V			LPS-140	
DS-GTC-902-3	2	1 Rear 2 Front	3 Rear	1	1	1				19 V	Triple	SMA	LPS-140	
DS-GTC-903														
DS-GTC-903-3											Triple	SMA		
DS-GTC-906													LPS-140	
DS-GTC-906-3											Triple	SMA	LPS-140	

* Requires an external Getac authorized DC power supply

SPECIFICATIONS

Height: 11.4-in (28.9 cm)
 Width: 11.9-in (30.2 cm)
 Depth: 3.7-in (9.4 cm)
 Weight: 3.7 lbs (1.7 kg)
 Mounting: VESA 75

CERTIFICATIONS & TESTING

CE Certified; RoHS Compliant
 Vibration Testing: MIL-STD 810G 514.5
 Impact Test: Crash Simulation per SAE J1455
 Cycle Test: Latch Tested 30,000 cycles
 Environmental Testing: Hot/Cold Operation & Storage

Havis Docking Station

Fully Rugged K120

DS-GTC-1000 Series



Rugged Laptop Solution

- Low profile, lightweight and flexible design
- Port replication with integrated strain relieving
- Triple Pass-Thru Antenna Connections (Optional)
- External Power Supply (Optional)
- Bundles available for convenient solutions

PART NUMBER	ETHERNET	USB 2.0	USB 3.0	HDMI	VGA	SERIAL	POWERED SERIAL	DISPLAY PORT	SPEAKER/MIC	POWER INPUT	PASS-THRU ANT	ANT TYPE	EXT POWER	INT POWER
DS-GTC-1001	2	1 Rear 2 Front	3 Rear	1	1	1				19 V*				
DS-GTC-1001-3	2	1 Rear 2 Front	3 Rear	1	1	1				19 V*	Triple	SMA		
DS-GTC-1002	2	1 Rear 2 Front	3 Rear	1	1	1				19 V			LPS-140	
DS-GTC-1002-3	2	1 Rear 2 Front	3 Rear	1	1	1				19 V	Triple	SMA	LPS-140	
DS-GTC-1003														
DS-GTC-1003-3											Triple	SMA		
DS-GTC-1006													LPS-140	
DS-GTC-1006-3											Triple	SMA	LPS-140	

* Requires an external Getac authorized DC power supply

SPECIFICATIONS

Height: 11.7-in (29.7 cm)
 Width: 13.7-in (32.7 cm)
 Depth: 2.7-in (6.8 cm)
 Weight: 5.9 lbs (2.7 kg)
 Mounting: Bracket fits most motion devices

CERTIFICATIONS & TESTING

CE Certified; RoHS Compliant
 Vibration Testing: MIL-STD 810G 514.5
 Impact Test: Crash Simulation per SAE J1455
 Cycle Test: Latch Tested 30,000 cycles
 Environmental Testing: Hot/Cold Operation & Storage

Havis Docking Station Fully Rugged UX10 DS-GTC-1100 Series



Rugged Tablet Solution

- Low profile, lightweight and flexible design
- Port replication with integrated strain relieving
- Triple Pass-Thru Antenna Connections (Optional)
- External Power Supply (Optional)
- Bundles available for convenient solutions

PART NUMBER	ETHERNET	USB 2.0	USB 3.0	HDMI	VGA	SERIAL	POWERED SERIAL	DISPLAY PORT	SPEAKER/MIC	POWER INPUT	PASS-THRU ANT	ANT TYPE	EXT POWER	INT POWER
DS-GTC-1101	1	2 Front	2 Rear			1				19 V*				
DS-GTC-1101-3	1	2 Front	2 Rear			1				19 V*	Triple	SMA		
DS-GTC-1102	1	2 Front	2 Rear			1				19 V			LPS-140	
DS-GTC-1102-3	1	2 Front	2 Rear			1				19 V	Triple	SMA	LPS-140	
DS-GTC-1103														
DS-GTC-1103-3											Triple	SMA		
DS-GTC-1106													LPS-140	
DS-GTC-1106-3											Triple	SMA	LPS-140	

* Requires an external Getac authorized DC power supply

SPECIFICATIONS

Height: 9.7-in (24.5 cm)
Width: 11.1-in (28.3 cm)
Depth: 3.0-in (7.6 cm)
Weight: 2.8 lbs (1.3 kg)
Mounting: VESA 75

CERTIFICATIONS & TESTING

CE Certified; RoHS Compliant
Vibration Testing: MIL-STD 810G 514.5
Impact Test: Crash Simulation per SAE J1455
Cycle Test: Latch Tested 30,000 cycles
Environmental Testing: Hot/Cold Operation & Storage

Havis Docking Station

Fully Rugged B360 & B360 Pro

DS-GTC-1200 Series



Rugged Tablet Solution

- One handed docking
- Two devices without adjustment
- Triple Pass-Thru Antenna Connections (Optional)
- External Power Supply (Optional)
- Bundles available for convenient solutions

PART NUMBER	ETHERNET	USB 2.0	USB 3.0	HDMI	VGA	SERIAL	POWERED SERIAL	DISPLAY PORT	SPEAKER/MIC	POWER INPUT	PASS-THRU ANT	ANT TYPE	EXT POWER	INT POWER
DS-GTC-1201	2	2 Front 1 Rear	3 Rear	1	1	1				19V*				
DS-GTC-1201-3	2	2 Front 1 Rear	3 Rear	1	1	1				19V*	Triple	SMA		
DS-GTC-1202	2	2 Front 1 Rear	3 Rear	1	1	1				19V			LPS-140	
DS-GTC-1202-3	2	2 Front 1 Rear	3 Rear	1	1	1				19V	Triple	SMA	LPS-140	
DS-GTC-1203														
DS-GTC-1203-3											Triple	SMA		
DS-GTC-1206													LPS-140	
DS-GTC-1206-3											Triple	SMA	LPS-140	

* Requires an external Getac authorized DC power supply

SPECIFICATIONS

Height: 2.54" (6.4 cm)
 Width: 13.79" (35.0 cm)
 Depth: 11.52" (29.3 cm)
 Weight: 5.22 lbs (2.36 kg)
 Mounting: Bracket fits most motion devices

CERTIFICATIONS & TESTING

E-Mark, CE Certified; RoHS Compliant
 Vibration Testing: MIL-STD 810H 514.5
 Impact Test: Crash Simulation per SAE J1455
 Cycle Test: Latch Tested 30,000 cycles
 Environmental Testing: Hot/Cold Operation & Storage

Havis Docking Station

Fully Rugged ZX10

DS-GTC-1300 Series



Rugged Tablet Solution

- Low profile, lightweight & flexible design
- Port replication with integrated strain relieving
- Triple Pass-Thru Antenna Connections (Optional)
- External Power Supply (Optional)
- Bundles available for convenient solutions

PART NUMBER	ETHERNET	USB 2.0	USB 3.0	HDMI	VGA	SERIAL	POWERED SERIAL	DISPLAY PORT	SPEAKER/MIC	POWER INPUT	PASS-THRU ANT	ANT TYPE	EXT POWER	INT POWER
DS-GTC-1301		2 Rear							1	19 V*				
DS-GTC-1301-3		2 Rear							1	19 V*	Triple	SMA		
DS-GTC-1302		2 Rear							1	19 V			LPS-140	
DS-GTC-1302-3		2 Rear							1	19 V	Triple	SMA	LPS-140	
DS-GTC-1303														
DS-GTC-1303-3											Triple	SMA		
DS-GTC-1306													LPS-140	
DS-GTC-1306-3											Triple	SMA	LPS-140	

* Requires an external Getac authorized DC power supply

SPECIFICATIONS

Height: 9.7" (24.5 cm)
 Width: 11.1" (28.3 cm)
 Depth: 3.4" (8.6 cm)
 Weight: 2.9 lbs (1.32 kg)
 Mounting: VESA 75

CERTIFICATIONS & TESTING

E-Mark, CE Certified; RoHS Compliant
 Vibration Testing: MIL-STD 810H 514.5
 Impact Test: Crash Simulation per SAE J1455
 Cycle Test: Latch Tested 30,000 cycles
 Environmental Testing: Hot/Cold Operation & Storage, Humidity



WHICH I/O DO I NEED FOR MY DOCKING STATIONS?

Port	Connector	Type	Audio	Video	Periph	Network	Camera	Power	Cell	GPS	WiFi
VGA	VGA	A/V		X							
Speaker & Mic	3.5 mm	A/V	X								
HDMI	HDMI	A/V	X	X							
Display Port	DisplayPort	A/V	X	X							
Serial	DB9	Data			X						
USB 2.0	Type B	Data			X						
USB 2.0	Type A	Data			X						
USB 3.X	Type A	Data			X						
USB 3.1	Type C	Data/Power			X			X			
Ethernet	RJ45	Network				X	X				
Power	Varies	Power						X			
Antenna SMA	SMA	Signal							X	X	X
Antenna TNC	TNC	Signal							X	X	X

1. What is “pass through antenna”? Which one do I need?

“Pass through antenna” offers connectivity through the docking station instead of external devices. Pass through antennas are used to connect to devices via cellular data, WiFi, SMC connector for radio, or GPS.

2. What is the difference between USB 2.0, 3.0 and 3.1? What is a connector type?

USB 3.1 is capable of 10Gbps, 3USB 3.0 5Gbps and USB 2.0 480 Mbps. The connector type refers to the shape. Connector A is rectangle, B type is square and C type is micro with bi-directional power.

3. What is the difference between serial and powered serial ports?

Serial ports use a 9 pin connector to connect to peripherals like Bar Code Readers where data transfer is low. Powered serial ports assign of the 9 pins to power the peripheral device.

4. What is the difference between VGA and HDMI?

VGA connection offers display but requires a separate audio port for a full audio/video experience. HDMI intergates audio with a high de,nition video signal, thus fewer connections.

5. Do I need ethernet in a mobile application? Is ethernet still a viable I/O?

Ethernet ports enable in-vehicle networking with other computers and external vehicle networking when paired with a mobile modem. Peripherals like video camera systems use Ethernet to transmit data.

6. What is the difference between a docking station and a cradle?

Docking stations offer port replication for a majority of the input/output connections on the device. A cradle does not offer electronics for connectivity, nor port replication.

7. What is the difference between Basic and Advanced port replication options?

“Advanced” port replication will offer the fullest set of input/output for a given platform. “Basic” versions offer a reduced set for less demanding applications.



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